

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391001

1. $y = -2x^2 + 7x + 5$

5. $y = -x^2 - 6x - 8$

2. $y = x^2 + 7x - 5$

6. $y = x^2 - 6x - 10$

3. $y = 2x^2 + 3x - 2$

7. $y = -2x^2 - 5x - 9$

4. $y = -x^2 + 3x + 7$

8. $y = -x^2 + 7x - 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391002

1. $y = -x^2 + 5x + 8$

5. $y = 2x^2 + 8x - 7$

2. $y = -2x^2 - 7x - 6$

6. $y = -x^2 - 2x + 6$

3. $y = -x^2 + 7x + 5$

7. $y = x^2 + 6x + 6$

4. $y = x^2 - 5x + 8$

8. $y = -x^2 - 3x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391003

1. $y = x^2 + 6x + 8$

5. $y = -x^2 - 7x + 8$

2. $y = 2x^2 + 4x - 1$

6. $y = -2x^2 - 5x + 7$

3. $y = -3x^2 + 8x - 9$

7. $y = -2x^2 + 2x + 3$

4. $y = -x^2 - 5x + 7$

8. $y = 2x^2 - 2x - 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391004

1. $y = x^2 - 6x + 8$

5. $y = -x^2 - 5x + 5$

2. $y = -x^2 + 7x + 7$

6. $y = -x^2 + 4x + 2$

3. $y = 3x^2 - 7x - 1$

7. $y = -x^2 + 8x - 1$

4. $y = -x^2 + 5x - 9$

8. $y = -2x^2 - 5x - 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391005

1. $y = x^2 - 5x + 6$

5. $y = -x^2 + 5x - 7$

2. $y = -3x^2 - 6x + 8$

6. $y = 3x^2 + 5x - 5$

3. $y = 3x^2 - 4x + 4$

7. $y = x^2 + 5x + 1$

4. $y = x^2 - 5x + 6$

8. $y = -3x^2 - 5x + 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391006

1. $y = 2x^2 - 3x - 8$

5. $y = x^2 - 3x - 3$

2. $y = -2x^2 - 2x + 2$

6. $y = 2x^2 - 5x - 2$

3. $y = x^2 - 8x - 5$

7. $y = 2x^2 + 7x - 9$

4. $y = 3x^2 - 4x + 1$

8. $y = -2x^2 - 7x + 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391007

1. $y = -x^2 + 7x + 10$

5. $y = -x^2 - 7x + 5$

2. $y = x^2 - 5x - 1$

6. $y = x^2 + 7x - 8$

3. $y = -x^2 + 2x - 2$

7. $y = x^2 + 6x + 8$

4. $y = -x^2 - 5x - 9$

8. $y = 2x^2 + 6x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391008

1. $y = 2x^2 + 6x - 5$

5. $y = x^2 + 3x + 8$

2. $y = 2x^2 - 3x + 5$

6. $y = x^2 - 2x + 5$

3. $y = 3x^2 + 4x + 3$

7. $y = -2x^2 - 5x - 2$

4. $y = -x^2 - 8x - 2$

8. $y = -2x^2 - 3x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391009

1. $y = -x^2 + 8x + 6$

5. $y = -x^2 + 5x + 4$

2. $y = -2x^2 - 5x - 5$

6. $y = x^2 + 3x + 5$

3. $y = x^2 - 5x - 6$

7. $y = 3x^2 + 5x + 7$

4. $y = x^2 + 3x - 8$

8. $y = 3x^2 + 4x + 1$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391010

1. $y = 3x^2 - 5x - 5$

5. $y = -2x^2 - 4x + 2$

2. $y = x^2 + 5x - 5$

6. $y = x^2 - 2x - 10$

3. $y = -x^2 - 2x - 5$

7. $y = 2x^2 + 2x + 9$

4. $y = x^2 + 2x + 5$

8. $y = -x^2 - 8x - 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391011

1. $y = -x^2 + 8x - 2$

5. $y = 3x^2 - 6x - 10$

2. $y = x^2 - 4x - 2$

6. $y = x^2 + 6x - 5$

3. $y = -2x^2 + 4x - 4$

7. $y = x^2 + 5x - 6$

4. $y = x^2 - 6x + 1$

8. $y = -x^2 - 4x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391012

1. $y = -x^2 + 5x + 1$

5. $y = -x^2 - 8x - 9$

2. $y = x^2 - 5x - 9$

6. $y = -2x^2 - 5x - 2$

3. $y = x^2 - 4x - 10$

7. $y = x^2 + 7x + 6$

4. $y = 2x^2 + 7x - 3$

8. $y = x^2 - 2x + 1$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391013

1. $y = x^2 + 7x - 4$

5. $y = x^2 + 8x - 6$

2. $y = 2x^2 - 4x + 5$

6. $y = 2x^2 - 5x + 5$

3. $y = 2x^2 + 6x + 1$

7. $y = -x^2 - 3x - 8$

4. $y = x^2 - 5x - 10$

8. $y = 2x^2 - 2x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391014

1. $y = -3x^2 + 5x + 10$

5. $y = x^2 - 3x + 9$

2. $y = 2x^2 - 3x - 6$

6. $y = x^2 + 4x + 3$

3. $y = x^2 - 2x + 8$

7. $y = 2x^2 - 8x - 2$

4. $y = -x^2 + 6x + 2$

8. $y = x^2 + 2x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391015

1. $y = 2x^2 + 5x + 4$

5. $y = -x^2 - 7x + 10$

2. $y = 2x^2 - 3x + 1$

6. $y = 2x^2 - 6x + 1$

3. $y = -2x^2 + 4x - 1$

7. $y = -x^2 + 6x + 8$

4. $y = x^2 + 4x + 1$

8. $y = 3x^2 - 2x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391016

1. $y = -x^2 - 6x - 8$

5. $y = -3x^2 + 3x - 4$

2. $y = -2x^2 - 3x - 9$

6. $y = x^2 - 8x + 4$

3. $y = 3x^2 - 8x + 2$

7. $y = -2x^2 + 2x + 3$

4. $y = x^2 + 7x - 7$

8. $y = -x^2 + 2x - 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391017

1. $y = -3x^2 + 6x + 6$

5. $y = x^2 - 4x + 10$

2. $y = -x^2 + 3x + 8$

6. $y = -x^2 + 7x - 4$

3. $y = x^2 - 6x - 4$

7. $y = -3x^2 + 3x + 5$

4. $y = -x^2 + 6x + 3$

8. $y = x^2 + 8x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391018

1. $y = x^2 + 6x - 10$

5. $y = -x^2 - 6x + 1$

2. $y = x^2 - 6x - 3$

6. $y = 2x^2 + 2x + 6$

3. $y = x^2 + 6x + 4$

7. $y = -x^2 - 5x - 7$

4. $y = 2x^2 - 4x + 6$

8. $y = x^2 - 2x + 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391019

1. $y = -x^2 + 2x - 1$

5. $y = x^2 - 3x - 7$

2. $y = 3x^2 + 4x - 1$

6. $y = -2x^2 + 7x - 8$

3. $y = -x^2 - 3x + 2$

7. $y = x^2 + 4x - 4$

4. $y = 2x^2 + 3x + 6$

8. $y = x^2 - 6x - 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391020

1. $y = -3x^2 + 3x + 6$

5. $y = 2x^2 - 5x - 4$

2. $y = x^2 - 4x + 5$

6. $y = -x^2 - 8x - 9$

3. $y = -x^2 + 8x - 8$

7. $y = x^2 + 6x - 6$

4. $y = x^2 + 2x - 8$

8. $y = -x^2 - 6x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391021

1. $y = -x^2 + 3x + 10$

5. $y = x^2 + 4x + 6$

2. $y = x^2 - 6x - 1$

6. $y = -2x^2 + 7x - 3$

3. $y = 3x^2 + 7x + 7$

7. $y = -2x^2 + 7x - 2$

4. $y = 3x^2 - 6x - 9$

8. $y = -2x^2 - 5x - 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391022

1. $y = -x^2 + 5x + 10$

5. $y = -x^2 - 8x - 1$

2. $y = x^2 + 8x - 2$

6. $y = x^2 - 4x - 6$

3. $y = -x^2 + 3x + 9$

7. $y = -3x^2 + 8x - 3$

4. $y = x^2 - 2x + 9$

8. $y = x^2 + 3x + 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391023

1. $y = -3x^2 + 2x + 8$

5. $y = x^2 - 8x + 2$

2. $y = x^2 - 7x - 3$

6. $y = -x^2 - 8x + 1$

3. $y = -x^2 - 3x - 3$

7. $y = -2x^2 + 7x + 10$

4. $y = -x^2 - 8x + 7$

8. $y = -2x^2 + 8x - 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391024

1. $y = -x^2 - 4x + 1$

5. $y = x^2 - 5x + 4$

2. $y = 2x^2 - 4x - 9$

6. $y = -3x^2 - 2x - 5$

3. $y = x^2 - 2x - 2$

7. $y = x^2 - 2x - 5$

4. $y = -2x^2 - 6x + 9$

8. $y = -3x^2 + 8x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391025

1. $y = x^2 + 8x + 10$

5. $y = x^2 - 8x - 10$

2. $y = -x^2 - 3x - 4$

6. $y = -x^2 - 4x - 7$

3. $y = -2x^2 + 8x - 1$

7. $y = -x^2 + 4x + 1$

4. $y = x^2 + 7x - 9$

8. $y = x^2 - 7x - 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391026

1. $y = x^2 + 3x + 9$

5. $y = -2x^2 + 2x + 6$

2. $y = 3x^2 - 8x - 1$

6. $y = x^2 - 7x + 9$

3. $y = -x^2 + 2x - 5$

7. $y = -x^2 - 3x + 4$

4. $y = x^2 - 6x + 1$

8. $y = -x^2 - 6x - 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391027

1. $y = -x^2 - 2x - 5$

5. $y = -3x^2 - 7x - 7$

2. $y = -x^2 + 5x + 4$

6. $y = -2x^2 + 7x - 8$

3. $y = -x^2 - 4x - 9$

7. $y = x^2 - 6x - 4$

4. $y = -2x^2 - 8x + 4$

8. $y = x^2 + 7x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391028

1. $y = -x^2 - 6x - 3$

5. $y = -x^2 - 4x - 4$

2. $y = -x^2 + 8x - 6$

6. $y = x^2 + 8x + 9$

3. $y = x^2 - 8x + 7$

7. $y = 3x^2 - 6x + 2$

4. $y = -x^2 + 3x + 2$

8. $y = -3x^2 + 6x + 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391029

1. $y = -x^2 - 7x - 9$

5. $y = x^2 - 7x + 10$

2. $y = x^2 - 4x - 3$

6. $y = -x^2 + 8x + 8$

3. $y = -2x^2 + 6x - 10$

7. $y = -2x^2 + 3x - 9$

4. $y = -x^2 + 3x - 5$

8. $y = -x^2 - 6x + 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391030

1. $y = x^2 + 6x - 9$

5. $y = -2x^2 + 7x + 6$

2. $y = 2x^2 - 7x - 1$

6. $y = -x^2 + 5x + 5$

3. $y = -x^2 - 2x - 5$

7. $y = -x^2 + 3x - 1$

4. $y = -2x^2 + 4x - 2$

8. $y = -3x^2 - 8x - 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391031

1. $y = -2x^2 - 6x + 3$

5. $y = 2x^2 - 2x - 5$

2. $y = -2x^2 + 8x - 4$

6. $y = 2x^2 - 6x + 10$

3. $y = -2x^2 + 6x - 8$

7. $y = x^2 - 2x + 3$

4. $y = -2x^2 + 7x - 1$

8. $y = -x^2 + 4x - 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391032

1. $y = x^2 + 4x + 5$

5. $y = x^2 + 3x - 5$

2. $y = -3x^2 - 5x + 2$

6. $y = 2x^2 + 5x - 9$

3. $y = x^2 + 3x + 5$

7. $y = -x^2 - 5x + 5$

4. $y = x^2 + 5x + 5$

8. $y = -2x^2 - 8x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391033

1. $y = x^2 - 6x + 3$

5. $y = x^2 + 2x - 2$

2. $y = x^2 - 6x + 9$

6. $y = 2x^2 + 7x - 7$

3. $y = x^2 - 6x - 1$

7. $y = -x^2 + 4x + 6$

4. $y = -3x^2 - 8x + 2$

8. $y = -x^2 + 3x + 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391034

1. $y = 2x^2 - 4x + 1$

5. $y = -x^2 + 2x - 2$

2. $y = x^2 - 2x + 3$

6. $y = -3x^2 - 3x - 8$

3. $y = x^2 + 2x + 4$

7. $y = x^2 + 2x + 4$

4. $y = -x^2 + 2x - 6$

8. $y = -x^2 - 3x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391035

1. $y = x^2 - 5x + 8$

5. $y = 2x^2 - 8x + 9$

2. $y = -x^2 + 3x + 7$

6. $y = x^2 - 3x + 4$

3. $y = x^2 - 3x - 7$

7. $y = x^2 + 4x - 1$

4. $y = x^2 - 6x - 8$

8. $y = x^2 + 6x - 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391036

1. $y = 2x^2 + 5x + 1$

5. $y = x^2 + 6x + 6$

2. $y = x^2 + 7x + 6$

6. $y = -x^2 - 4x - 5$

3. $y = -x^2 + 2x - 9$

7. $y = x^2 - 5x - 3$

4. $y = x^2 - 2x - 10$

8. $y = x^2 - 8x + 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391037

1. $y = x^2 - 3x - 4$

5. $y = -x^2 + 7x + 5$

2. $y = 2x^2 + 3x - 5$

6. $y = -x^2 - 5x - 10$

3. $y = 3x^2 - 8x - 9$

7. $y = 3x^2 + 5x + 7$

4. $y = -x^2 - 5x + 4$

8. $y = x^2 + 6x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391038

1. $y = -3x^2 + 5x - 5$

5. $y = -2x^2 + 3x + 8$

2. $y = -2x^2 - 5x + 10$

6. $y = -x^2 - 3x - 9$

3. $y = x^2 - 2x + 4$

7. $y = 3x^2 + 8x + 7$

4. $y = x^2 + 2x - 5$

8. $y = x^2 - 5x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391039

1. $y = x^2 + 5x - 2$

5. $y = 2x^2 + 8x + 9$

2. $y = -3x^2 + 7x + 7$

6. $y = x^2 + 5x + 7$

3. $y = -x^2 - 6x - 4$

7. $y = 3x^2 - 7x + 8$

4. $y = x^2 + 6x + 4$

8. $y = -2x^2 - 2x - 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391040

1. $y = -x^2 + 7x - 10$

5. $y = x^2 + 8x - 8$

2. $y = x^2 - 2x - 4$

6. $y = -x^2 + 2x + 6$

3. $y = -3x^2 + 7x + 10$

7. $y = -2x^2 + 7x + 9$

4. $y = -x^2 + 2x + 2$

8. $y = -x^2 + 3x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391041

1. $y = x^2 + 7x + 7$

5. $y = -x^2 + 6x + 6$

2. $y = -x^2 - 6x + 9$

6. $y = -2x^2 + 8x - 2$

3. $y = -2x^2 - 7x + 3$

7. $y = -x^2 - 6x + 3$

4. $y = -x^2 - 5x - 2$

8. $y = -2x^2 + 5x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391042

1. $y = -2x^2 - 4x + 1$

5. $y = 2x^2 - 8x - 6$

2. $y = -2x^2 - 6x + 5$

6. $y = x^2 - 7x + 3$

3. $y = -3x^2 + 3x - 1$

7. $y = x^2 - 5x + 5$

4. $y = 3x^2 + 7x + 2$

8. $y = -x^2 - 7x + 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391043

1. $y = -2x^2 + 3x - 10$

5. $y = -x^2 + 7x + 10$

2. $y = -x^2 - 7x + 4$

6. $y = -x^2 + 5x + 1$

3. $y = -2x^2 + 4x - 4$

7. $y = -2x^2 + 6x + 6$

4. $y = -x^2 - 8x + 6$

8. $y = -x^2 - 4x + 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391044

1. $y = x^2 - 2x + 4$

5. $y = -x^2 + 4x - 2$

2. $y = -x^2 + 7x + 5$

6. $y = 2x^2 + 6x - 4$

3. $y = x^2 - 2x - 2$

7. $y = -2x^2 - 2x - 7$

4. $y = -3x^2 - 6x + 3$

8. $y = -x^2 - 6x + 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391045

1. $y = -3x^2 + 8x - 2$

5. $y = 2x^2 + 3x + 9$

2. $y = -x^2 + 5x - 4$

6. $y = -3x^2 - 5x + 2$

3. $y = -3x^2 + 8x + 1$

7. $y = x^2 + 4x + 8$

4. $y = -x^2 + 6x - 6$

8. $y = -2x^2 - 7x + 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391046

1. $y = -3x^2 + 6x + 2$

5. $y = x^2 + 3x - 2$

2. $y = -2x^2 - 5x + 2$

6. $y = x^2 - 2x - 1$

3. $y = x^2 + 4x + 6$

7. $y = 2x^2 - 6x + 4$

4. $y = -x^2 - 2x - 4$

8. $y = 3x^2 - 5x - 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391047

1. $y = -x^2 - 3x - 3$

5. $y = 2x^2 + 7x - 4$

2. $y = 3x^2 - 5x + 8$

6. $y = -3x^2 - 6x + 1$

3. $y = x^2 + 8x - 1$

7. $y = x^2 + 8x + 9$

4. $y = -2x^2 + 5x + 9$

8. $y = -3x^2 + 6x + 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391048

1. $y = -x^2 + 7x + 8$

5. $y = -2x^2 - 4x + 8$

2. $y = x^2 - 4x - 7$

6. $y = -x^2 - 5x + 10$

3. $y = -x^2 + 5x + 1$

7. $y = 2x^2 + 6x - 6$

4. $y = x^2 + 6x - 2$

8. $y = -x^2 - 7x - 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391049

1. $y = x^2 - 7x - 1$

5. $y = -2x^2 - 5x + 7$

2. $y = -2x^2 + 7x - 2$

6. $y = 2x^2 + 2x - 2$

3. $y = -x^2 + 5x - 2$

7. $y = -x^2 + 3x + 6$

4. $y = 2x^2 - 6x - 9$

8. $y = -3x^2 - 4x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391050

1. $y = -x^2 - 2x + 9$

5. $y = -x^2 + 6x + 3$

2. $y = -2x^2 + 7x - 1$

6. $y = -3x^2 - 2x - 5$

3. $y = x^2 - 2x - 9$

7. $y = x^2 - 7x - 3$

4. $y = x^2 - 3x + 8$

8. $y = -x^2 + 3x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391051

1. $y = 2x^2 + 5x + 10$

5. $y = -2x^2 - 2x + 1$

2. $y = -2x^2 - 7x + 8$

6. $y = x^2 + 3x - 2$

3. $y = -2x^2 + 2x - 4$

7. $y = -x^2 - 2x + 1$

4. $y = -3x^2 - 5x + 1$

8. $y = 2x^2 + 5x + 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391052

1. $y = 2x^2 - 4x + 2$

5. $y = 2x^2 - 4x + 9$

2. $y = -2x^2 - 6x + 10$

6. $y = x^2 - 2x - 9$

3. $y = -x^2 + 2x - 5$

7. $y = 3x^2 + 6x + 10$

4. $y = x^2 + 5x - 5$

8. $y = 3x^2 - 4x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391053

1. $y = 2x^2 - 4x - 10$

5. $y = x^2 - 6x - 7$

2. $y = 2x^2 + 5x + 7$

6. $y = -3x^2 - 5x - 4$

3. $y = x^2 - 2x + 9$

7. $y = 2x^2 + 3x - 7$

4. $y = -x^2 + 6x + 10$

8. $y = -x^2 - 8x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391054

1. $y = -x^2 - 7x + 8$

5. $y = -3x^2 - 6x - 1$

2. $y = x^2 - 6x - 1$

6. $y = -x^2 - 7x - 2$

3. $y = -2x^2 + 3x - 4$

7. $y = x^2 + 7x + 1$

4. $y = -2x^2 + 8x - 7$

8. $y = 2x^2 + 6x + 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391055

1. $y = x^2 - 8x + 6$

5. $y = x^2 - 4x + 10$

2. $y = -x^2 + 4x + 3$

6. $y = -3x^2 + 8x - 1$

3. $y = -3x^2 + 4x + 1$

7. $y = x^2 - 4x + 10$

4. $y = -x^2 + 2x - 6$

8. $y = 2x^2 + 7x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391056

1. $y = x^2 - 5x - 3$

5. $y = -3x^2 - 4x + 10$

2. $y = -x^2 - 8x + 4$

6. $y = 2x^2 + 4x - 8$

3. $y = x^2 - 5x + 3$

7. $y = x^2 - 7x + 6$

4. $y = -x^2 - 8x + 3$

8. $y = -x^2 + 3x - 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391057

1. $y = -3x^2 + 8x - 1$

5. $y = x^2 - 2x - 1$

2. $y = -x^2 - 8x + 10$

6. $y = 2x^2 - 5x - 9$

3. $y = -x^2 - 6x + 9$

7. $y = 3x^2 - 8x + 5$

4. $y = 2x^2 - 3x - 10$

8. $y = x^2 - 6x + 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391058

1. $y = 2x^2 - 4x + 7$

5. $y = 2x^2 - 8x + 4$

2. $y = -2x^2 - 6x + 8$

6. $y = 3x^2 + 6x - 7$

3. $y = 2x^2 - 6x + 2$

7. $y = -2x^2 + 4x + 5$

4. $y = x^2 + 2x + 3$

8. $y = -2x^2 + 6x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391059

1. $y = -3x^2 + 7x - 7$

5. $y = -x^2 + 4x + 3$

2. $y = -3x^2 + 3x - 10$

6. $y = -x^2 + 8x - 5$

3. $y = 2x^2 - 6x + 4$

7. $y = -x^2 - 6x - 6$

4. $y = -x^2 - 6x - 7$

8. $y = -2x^2 - 4x + 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391060

1. $y = -x^2 + 7x - 7$

5. $y = 2x^2 + 6x + 4$

2. $y = x^2 + 2x + 3$

6. $y = x^2 - 5x - 4$

3. $y = -2x^2 - 7x + 8$

7. $y = -2x^2 + 5x + 9$

4. $y = 3x^2 - 2x + 2$

8. $y = -3x^2 - 5x + 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391061

1. $y = x^2 + 4x - 1$

5. $y = x^2 + 5x - 6$

2. $y = -3x^2 - 4x + 2$

6. $y = 2x^2 - 6x - 5$

3. $y = 2x^2 - 4x + 8$

7. $y = x^2 + 4x - 4$

4. $y = x^2 - 5x - 4$

8. $y = -x^2 - 2x - 1$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391062

1. $y = -2x^2 - 7x - 4$

5. $y = 3x^2 - 2x + 2$

2. $y = -x^2 + 2x + 6$

6. $y = x^2 + 4x + 7$

3. $y = x^2 - 3x + 3$

7. $y = x^2 - 2x + 8$

4. $y = x^2 - 7x + 5$

8. $y = -2x^2 + 2x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391063

1. $y = x^2 + 4x - 5$

5. $y = -2x^2 - 8x + 3$

2. $y = x^2 - 4x + 9$

6. $y = -x^2 - 3x - 8$

3. $y = -2x^2 + 2x - 5$

7. $y = 3x^2 + 6x + 9$

4. $y = 2x^2 - 2x + 9$

8. $y = -2x^2 + 3x + 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391064

1. $y = -3x^2 - 7x + 1$

5. $y = -3x^2 + 6x + 5$

2. $y = 3x^2 + 8x - 2$

6. $y = -2x^2 - 6x - 6$

3. $y = -x^2 + 6x + 5$

7. $y = 2x^2 + 6x - 7$

4. $y = -3x^2 - 3x + 7$

8. $y = -3x^2 + 6x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391065

1. $y = x^2 + 7x - 1$

5. $y = x^2 + 8x + 3$

2. $y = -x^2 + 8x + 6$

6. $y = -x^2 + 4x + 4$

3. $y = x^2 - 7x + 5$

7. $y = x^2 - 8x + 8$

4. $y = x^2 - 7x + 3$

8. $y = 2x^2 - 2x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391066

1. $y = -x^2 - 6x - 8$

5. $y = -2x^2 - 4x + 3$

2. $y = -x^2 + 6x - 4$

6. $y = x^2 - 7x + 7$

3. $y = x^2 + 2x + 3$

7. $y = 3x^2 + 3x + 6$

4. $y = -x^2 + 2x + 5$

8. $y = x^2 + 2x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391067

1. $y = -x^2 + 7x + 6$

5. $y = -2x^2 + 8x - 1$

2. $y = -x^2 - 4x - 3$

6. $y = x^2 - 3x - 3$

3. $y = x^2 - 5x - 6$

7. $y = x^2 + 2x - 2$

4. $y = 2x^2 + 2x - 7$

8. $y = -x^2 + 8x - 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391068

1. $y = x^2 + 7x - 5$

5. $y = -x^2 - 6x + 1$

2. $y = -x^2 + 7x - 5$

6. $y = 2x^2 + 6x - 5$

3. $y = 2x^2 + 7x - 9$

7. $y = -3x^2 + 8x + 10$

4. $y = -2x^2 + 3x + 6$

8. $y = 2x^2 + 3x + 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391069

1. $y = x^2 - 4x + 4$

5. $y = -x^2 - 8x + 6$

2. $y = -x^2 - 6x - 3$

6. $y = -x^2 - 5x + 8$

3. $y = 3x^2 - 2x + 5$

7. $y = -x^2 + 3x + 9$

4. $y = -2x^2 - 7x - 5$

8. $y = -2x^2 + 8x - 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391070

1. $y = -x^2 + 4x + 1$

5. $y = x^2 - 4x - 4$

2. $y = x^2 + 6x + 6$

6. $y = x^2 - 4x - 9$

3. $y = 3x^2 + 5x + 3$

7. $y = x^2 - 7x + 1$

4. $y = x^2 - 5x + 4$

8. $y = -x^2 - 5x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391071

1. $y = 3x^2 + 7x - 2$

5. $y = x^2 - 4x - 7$

2. $y = -x^2 - 3x + 6$

6. $y = x^2 + 4x + 6$

3. $y = 2x^2 - 2x + 4$

7. $y = 2x^2 - 5x + 8$

4. $y = 2x^2 - 3x - 9$

8. $y = -2x^2 + 7x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391072

1. $y = x^2 + 8x + 6$

5. $y = x^2 - 8x + 6$

2. $y = x^2 + 4x - 7$

6. $y = 2x^2 + 6x - 9$

3. $y = x^2 - 4x - 1$

7. $y = -x^2 + 3x + 2$

4. $y = -x^2 - 5x - 5$

8. $y = 3x^2 - 2x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391073

1. $y = -x^2 + 4x - 4$

5. $y = -3x^2 - 3x - 3$

2. $y = 2x^2 - 8x + 3$

6. $y = x^2 - 8x + 10$

3. $y = 2x^2 - 6x + 8$

7. $y = x^2 + 4x + 10$

4. $y = -x^2 - 2x + 8$

8. $y = x^2 + 3x + 2$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391074

1. $y = 2x^2 + 2x - 9$

5. $y = x^2 + 3x + 3$

2. $y = x^2 - 2x + 10$

6. $y = 3x^2 + 5x - 6$

3. $y = -2x^2 + 6x + 1$

7. $y = 2x^2 + 3x - 3$

4. $y = -2x^2 - 2x - 2$

8. $y = -x^2 + 7x + 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391075

1. $y = x^2 + 7x - 3$

5. $y = x^2 - 3x + 9$

2. $y = -x^2 + 5x - 10$

6. $y = -x^2 - 8x + 1$

3. $y = -x^2 - 7x - 1$

7. $y = x^2 - 7x - 7$

4. $y = x^2 + 8x - 6$

8. $y = x^2 - 2x - 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391076

1. $y = -x^2 + 6x - 10$

5. $y = -x^2 + 4x + 2$

2. $y = x^2 - 7x + 1$

6. $y = -x^2 - 5x - 4$

3. $y = -3x^2 - 2x - 1$

7. $y = x^2 - 7x - 8$

4. $y = x^2 + 4x + 1$

8. $y = 2x^2 - 2x + 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391077

1. $y = x^2 - 2x + 6$

5. $y = x^2 - 6x - 6$

2. $y = -x^2 - 4x + 10$

6. $y = x^2 - 2x + 10$

3. $y = x^2 + 5x + 7$

7. $y = -x^2 - 7x - 8$

4. $y = x^2 + 2x - 9$

8. $y = x^2 - 8x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391078

1. $y = -x^2 + 8x - 5$

5. $y = -x^2 + 8x + 1$

2. $y = -3x^2 - 6x - 6$

6. $y = x^2 - 5x - 4$

3. $y = x^2 + 7x - 5$

7. $y = -2x^2 + 5x + 8$

4. $y = x^2 + 7x + 10$

8. $y = -3x^2 - 7x - 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391079

1. $y = -2x^2 - 5x - 8$

5. $y = 2x^2 + 5x - 1$

2. $y = x^2 + 4x - 3$

6. $y = -x^2 - 3x - 3$

3. $y = -2x^2 - 8x - 7$

7. $y = 3x^2 + 7x - 7$

4. $y = x^2 + 8x - 1$

8. $y = 2x^2 + 2x - 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391080

1. $y = -x^2 + 7x + 7$

5. $y = -x^2 + 3x + 7$

2. $y = -x^2 - 6x - 5$

6. $y = x^2 + 5x + 9$

3. $y = x^2 - 7x + 2$

7. $y = x^2 - 8x + 4$

4. $y = x^2 - 2x - 10$

8. $y = 3x^2 + 7x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391081

1. $y = x^2 - 3x + 7$

5. $y = -x^2 + 8x - 6$

2. $y = 3x^2 - 8x + 8$

6. $y = x^2 + 6x + 6$

3. $y = -2x^2 + 5x + 4$

7. $y = 2x^2 - 2x - 10$

4. $y = x^2 - 5x - 6$

8. $y = -x^2 - 3x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391082

1. $y = 2x^2 + 5x - 2$

5. $y = x^2 - 4x + 8$

2. $y = -2x^2 + 2x + 5$

6. $y = x^2 + 8x + 8$

3. $y = x^2 - 7x + 9$

7. $y = 3x^2 - 6x - 1$

4. $y = -2x^2 + 6x + 3$

8. $y = -x^2 - 4x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391083

1. $y = -2x^2 - 3x + 7$

5. $y = -x^2 + 3x + 7$

2. $y = -3x^2 - 5x + 5$

6. $y = x^2 + 2x + 6$

3. $y = -2x^2 + 2x + 9$

7. $y = x^2 - 2x - 2$

4. $y = x^2 + 8x + 8$

8. $y = 2x^2 + 4x + 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391084

1. $y = -2x^2 + 2x - 10$

5. $y = -2x^2 - 3x - 4$

2. $y = -x^2 + 6x + 4$

6. $y = x^2 + 5x + 2$

3. $y = -x^2 - 2x + 8$

7. $y = x^2 + 2x + 6$

4. $y = 3x^2 - 8x - 6$

8. $y = x^2 + 2x - 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391085

1. $y = -x^2 + 6x - 8$

5. $y = x^2 - 4x - 1$

2. $y = x^2 + 7x - 8$

6. $y = x^2 - 4x - 10$

3. $y = 2x^2 + 5x - 1$

7. $y = -x^2 - 5x - 3$

4. $y = -x^2 - 2x + 7$

8. $y = -x^2 + 3x + 5$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391086

1. $y = x^2 + 4x + 10$

5. $y = 2x^2 + 8x + 8$

2. $y = 2x^2 - 2x - 7$

6. $y = x^2 - 7x - 4$

3. $y = 2x^2 - 8x + 9$

7. $y = -x^2 + 7x - 5$

4. $y = -x^2 - 2x + 3$

8. $y = x^2 - 8x - 9$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391087

1. $y = -x^2 - 4x + 10$

5. $y = -3x^2 + 8x - 5$

2. $y = 3x^2 + 7x - 6$

6. $y = 2x^2 - 7x - 10$

3. $y = 2x^2 + 5x + 2$

7. $y = -x^2 - 7x + 7$

4. $y = x^2 + 3x + 5$

8. $y = x^2 + 3x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391088

1. $y = 2x^2 - 8x + 10$

5. $y = -3x^2 + 4x - 7$

2. $y = x^2 + 2x - 9$

6. $y = 3x^2 - 7x + 2$

3. $y = -x^2 - 8x - 8$

7. $y = x^2 + 2x - 8$

4. $y = x^2 - 4x - 1$

8. $y = -x^2 - 3x + 1$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391089

1. $y = 2x^2 + 6x - 5$

5. $y = -3x^2 + 5x - 2$

2. $y = -2x^2 - 2x + 8$

6. $y = -x^2 - 7x - 9$

3. $y = x^2 + 3x - 6$

7. $y = x^2 + 2x + 1$

4. $y = 3x^2 - 4x + 7$

8. $y = -x^2 - 4x + 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391090

1. $y = -2x^2 - 6x + 9$

5. $y = x^2 - 6x - 3$

2. $y = x^2 - 3x - 10$

6. $y = -3x^2 - 2x - 9$

3. $y = x^2 - 5x + 8$

7. $y = x^2 - 3x + 10$

4. $y = x^2 - 3x + 3$

8. $y = 3x^2 - 2x - 10$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391091

1. $y = x^2 - 3x - 8$

5. $y = -2x^2 - 2x + 10$

2. $y = 2x^2 - 5x + 4$

6. $y = x^2 - 6x + 9$

3. $y = 3x^2 - 7x + 1$

7. $y = x^2 + 6x + 7$

4. $y = -x^2 + 5x - 9$

8. $y = -x^2 + 5x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391092

1. $y = x^2 - 5x - 5$

5. $y = x^2 + 8x - 3$

2. $y = 3x^2 - 5x + 8$

6. $y = -2x^2 + 2x + 5$

3. $y = -x^2 - 8x + 6$

7. $y = 2x^2 + 4x + 10$

4. $y = -2x^2 - 4x + 5$

8. $y = -x^2 - 6x + 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391093

1. $y = 2x^2 + 4x + 1$

5. $y = 2x^2 + 6x + 4$

2. $y = -2x^2 + 8x - 5$

6. $y = -2x^2 + 5x + 4$

3. $y = x^2 - 7x + 3$

7. $y = -x^2 + 4x - 10$

4. $y = -3x^2 + 5x + 1$

8. $y = -x^2 + 7x - 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391094

1. $y = -x^2 + 4x + 5$

5. $y = -x^2 + 3x + 5$

2. $y = x^2 - 2x - 2$

6. $y = x^2 + 5x + 1$

3. $y = -x^2 - 2x - 4$

7. $y = -x^2 - 3x - 8$

4. $y = x^2 + 3x - 10$

8. $y = x^2 - 5x - 6$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391095

1. $y = -x^2 + 7x + 8$

5. $y = x^2 + 2x - 1$

2. $y = 2x^2 - 6x - 8$

6. $y = -2x^2 + 7x + 4$

3. $y = 2x^2 + 7x - 10$

7. $y = 2x^2 - 2x - 10$

4. $y = -x^2 - 4x + 6$

8. $y = 3x^2 + 8x + 7$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391096

1. $y = -x^2 + 5x + 10$

5. $y = -x^2 - 5x - 7$

2. $y = x^2 - 4x + 7$

6. $y = -x^2 + 8x + 8$

3. $y = x^2 - 6x - 1$

7. $y = -3x^2 - 7x + 4$

4. $y = -x^2 - 2x - 10$

8. $y = -x^2 - 5x - 4$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391097

1. $y = x^2 + 6x + 7$

5. $y = x^2 + 2x - 1$

2. $y = x^2 - 3x - 9$

6. $y = x^2 + 2x + 2$

3. $y = -3x^2 + 2x - 10$

7. $y = x^2 - 3x + 1$

4. $y = -2x^2 + 4x + 2$

8. $y = 2x^2 + 3x + 3$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391098

1. $y = x^2 + 2x - 10$

5. $y = -3x^2 + 3x - 10$

2. $y = 2x^2 - 6x - 5$

6. $y = 2x^2 - 3x + 4$

3. $y = -2x^2 - 5x + 5$

7. $y = -2x^2 + 4x - 9$

4. $y = 2x^2 - 7x + 7$

8. $y = 2x^2 + 4x + 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391099

1. $y = 2x^2 - 4x + 10$

5. $y = x^2 - 4x - 2$

2. $y = x^2 - 3x + 10$

6. $y = -x^2 + 7x - 10$

3. $y = x^2 + 2x - 2$

7. $y = 3x^2 - 3x - 3$

4. $y = x^2 - 8x - 8$

8. $y = x^2 + 4x - 8$

Find x and y intercepts, axis of symmetry and vertex. Draw graph. Document No.QFV2391100

1. $y = x^2 - 5x - 4$

5. $y = x^2 - 5x - 6$

2. $y = x^2 - 2x + 4$

6. $y = -x^2 - 7x - 1$

3. $y = -3x^2 - 4x - 2$

7. $y = -2x^2 + 4x - 9$

4. $y = -x^2 + 5x - 3$

8. $y = x^2 - 5x + 5$

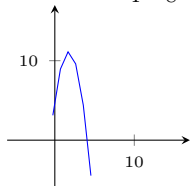
Document No. QFV2391001

1. x intercept: $\frac{7 \pm \sqrt{89}}{4}$

y intercept: 5

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{89}{8})$

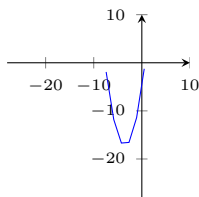


2. x intercept: $\frac{1}{2}$ and $-\frac{15}{2}$

y intercept: -5

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, -\frac{69}{4})$

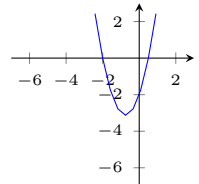


3. x intercept: $\frac{1}{2}$ and -2

y intercept: -2

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, -\frac{25}{8})$

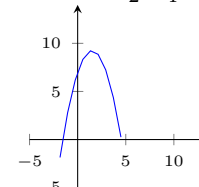


4. x intercept: $\frac{3 \pm \sqrt{37}}{2}$

y intercept: 7

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{37}{4})$

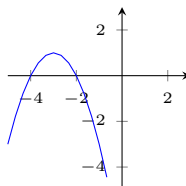


5. x intercept: -4 and -2

y intercept: -8

axis of symmetry: $x = -3$

vertex: (-3, 1)

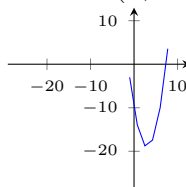


6. x intercept: $\frac{6 \pm \sqrt{76}}{2}$

y intercept: -10

axis of symmetry: $x = 3$

vertex: (3, -19)

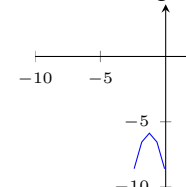


7. x intercept: no x intercept

y intercept: -9

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{47}{8})$

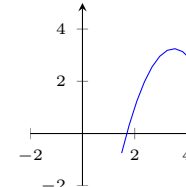


8. x intercept: $\frac{7 \pm \sqrt{13}}{2}$

y intercept: -9

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{13}{4})$



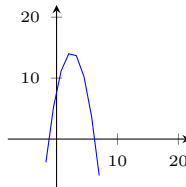
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1. x intercept: -1 and 6

y intercept: 8

axis of symmetry: $x = \frac{5}{2}$

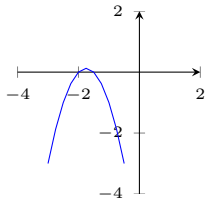
vertex: $(\frac{5}{2}, \frac{57}{4})$



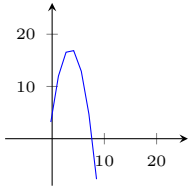
2. x intercept: -2 and $-\frac{3}{2}$

y intercept: -6

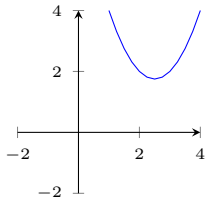
axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, \frac{1}{8})$



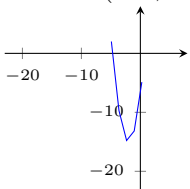
3. x intercept: $-\frac{1}{2}$ and $\frac{15}{2}$
 y intercept: 5
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{69}{4})$



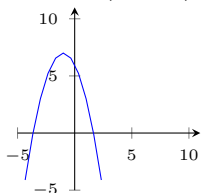
4. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, \frac{7}{4})$



5. x intercept: $\frac{1}{2}$ and $-\frac{9}{2}$
 y intercept: -7
 axis of symmetry: $x = -2$
 vertex: $(-2, -15)$

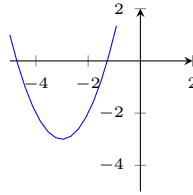


6. x intercept: $\frac{-2 \pm \sqrt{28}}{2}$
 y intercept: 6
 axis of symmetry: $x = -1$
 vertex: $(-1, 7)$

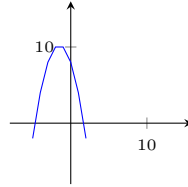


7. x intercept: $\frac{-6 \pm \sqrt{12}}{2}$

y intercept: 6
 axis of symmetry: $x = -3$
 vertex: $(-3, -3)$

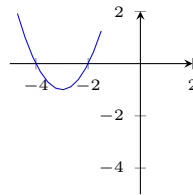


8. x intercept: $-\frac{9}{2}$ and $\frac{3}{2}$
 y intercept: 8
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{41}{4})$

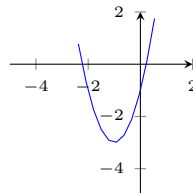


Document No. QFV2391003

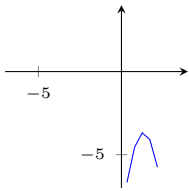
1. x intercept: -2 and -4
 y intercept: 8
 axis of symmetry: $x = -3$
 vertex: $(-3, -1)$



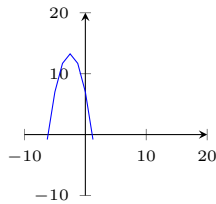
2. x intercept: $\frac{-4 \pm \sqrt{24}}{4}$
 y intercept: -1
 axis of symmetry: $x = -1$
 vertex: $(-1, -3)$



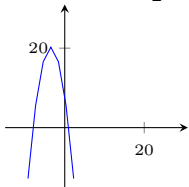
3. x intercept: no x intercept
 y intercept: -9
 axis of symmetry: $x = \frac{4}{3}$
 vertex: $(\frac{4}{3}, -\frac{11}{3})$



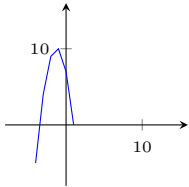
4. x intercept: -6 and 1
 y intercept: 7
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{53}{4})$



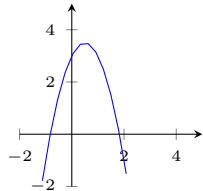
5. x intercept: -8 and 1
 y intercept: 8
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{81}{4})$



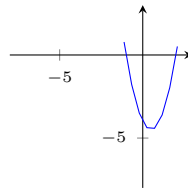
6. x intercept: $-\frac{7}{2}$ and 1
 y intercept: 7
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, \frac{81}{8})$



7. x intercept: $\frac{2 \pm \sqrt{28}}{4}$
 y intercept: 3
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{7}{2})$

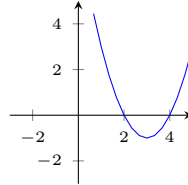


8. x intercept: 2 and -1
 y intercept: -4
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{9}{2})$

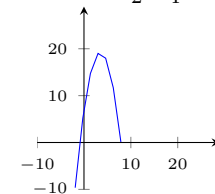


Document No. QFV2391004

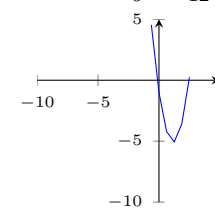
1. x intercept: 4 and 2
 y intercept: 8
 axis of symmetry: $x = 3$
 vertex: $(3, -1)$



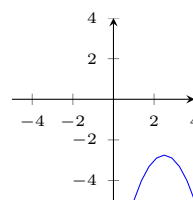
2. x intercept: $\frac{7 \pm \sqrt{77}}{2}$
 y intercept: 7
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{77}{4})$



3. x intercept: $\frac{7 \pm \sqrt{61}}{6}$
 y intercept: -1
 axis of symmetry: $x = \frac{7}{6}$
 vertex: $(\frac{7}{6}, -\frac{61}{12})$

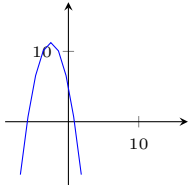


4. x intercept: no x intercept
 y intercept: -9
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{11}{4})$



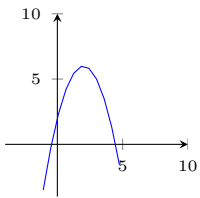
5. x intercept: $\frac{-5 \pm \sqrt{45}}{2}$
 y intercept: 5

axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{45}{4})$



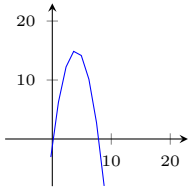
6.x intercept: $\frac{4 \pm \sqrt{24}}{2}$
 y intercept: 2

axis of symmetry: $x = 2$
 vertex: (2, 6)



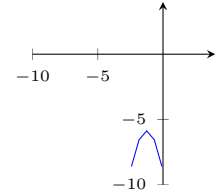
7.x intercept: $\frac{8 \pm \sqrt{60}}{2}$
 y intercept: -1

axis of symmetry: $x = 4$
 vertex: (4, 15)



8.x intercept: no x intercept
 y intercept: -9

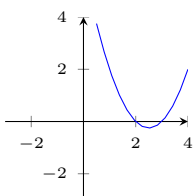
axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, -\frac{47}{8})$



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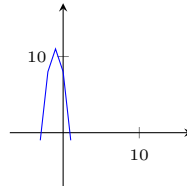
1.x intercept: 3 and 2
 y intercept: 6

axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{1}{4})$



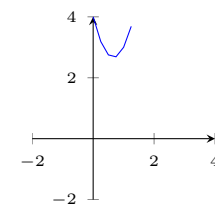
2.x intercept: $-\frac{17}{6}$ and $\frac{5}{6}$
 y intercept: 8

axis of symmetry: $x = -1$
 vertex: (-1, 11)



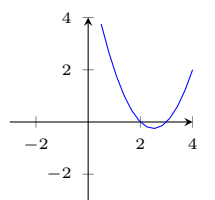
3.x intercept: no x intercept
 y intercept: 4

axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, \frac{8}{3})$



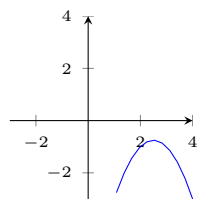
4.x intercept: 3 and 2
 y intercept: 6

axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{1}{4})$



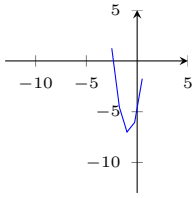
5.x intercept: no x intercept
 y intercept: -7

axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{3}{4})$

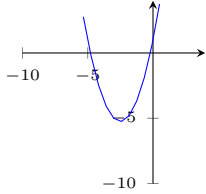


6.x intercept: $\frac{2}{3}$ and $-\frac{7}{3}$
 y intercept: -5

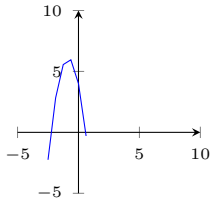
axis of symmetry: $x = -\frac{5}{6}$
 vertex: $(-\frac{5}{6}, -\frac{85}{12})$



7. x intercept: $-\frac{1}{2}$ and $-\frac{9}{2}$
 y intercept: 1
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, -\frac{21}{4})$

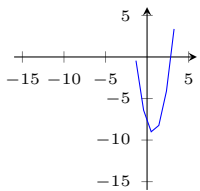


8. x intercept: $\frac{-5 \pm \sqrt{73}}{6}$
 y intercept: 4
 axis of symmetry: $x = -\frac{5}{6}$
 vertex: $(-\frac{5}{6}, \frac{73}{12})$

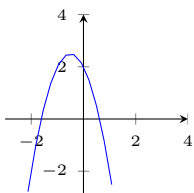


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1. x intercept: $\frac{3 \pm \sqrt{73}}{4}$
 y intercept: -8
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, -\frac{73}{8})$

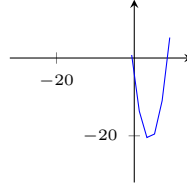


2. x intercept: $\frac{-2 \pm \sqrt{20}}{4}$
 y intercept: 2
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, \frac{5}{2})$

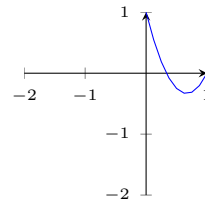


3. x intercept: $\frac{17}{2}$ and $-\frac{1}{2}$

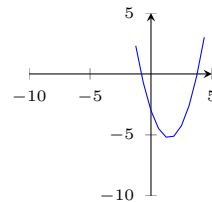
y intercept: -5
 axis of symmetry: $x = 4$
 vertex: $(4, -21)$



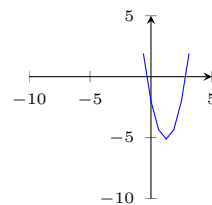
4. x intercept: 1 and $\frac{1}{3}$
 y intercept: 1
 axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, -\frac{1}{3})$



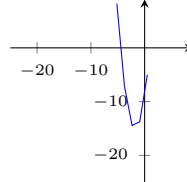
5. x intercept: $\frac{7}{2}$ and $-\frac{1}{2}$
 y intercept: -3
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{21}{4})$



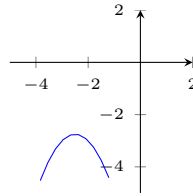
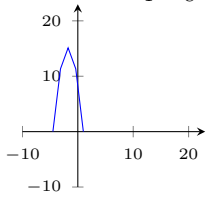
6. x intercept: $\frac{11}{4}$ and $-\frac{1}{4}$
 y intercept: -2
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, -\frac{41}{8})$



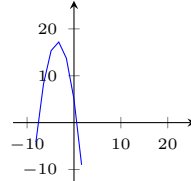
7. x intercept: 1 and $-\frac{9}{2}$
 y intercept: -9
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, -\frac{121}{8})$



8.x intercept: $-\frac{9}{2}$ and 1
 y intercept: 9
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, \frac{121}{8})$

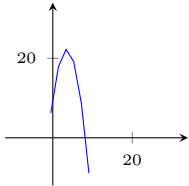


5.x intercept: $-\frac{15}{2}$ and $\frac{1}{2}$
 y intercept: 5
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{69}{4})$

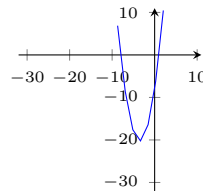


Document No. QFV2391007

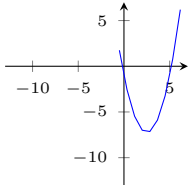
1.x intercept: $\frac{7 \pm \sqrt{89}}{2}$
 y intercept: 10
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{89}{4})$



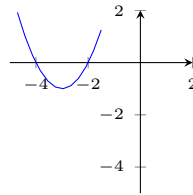
6.x intercept: 1 and -8
 y intercept: -8
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{81}{4})$



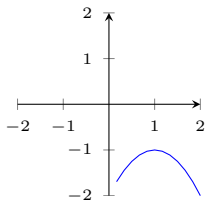
2.x intercept: $\frac{5 \pm \sqrt{29}}{2}$
 y intercept: -1
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{29}{4})$



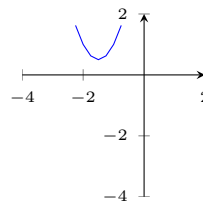
7.x intercept: -2 and -4
 y intercept: 8
 axis of symmetry: $x = -3$
 vertex: $(-3, -1)$



3.x intercept: no x intercept
 y intercept: -2
 axis of symmetry: $x = 1$
 vertex: $(1, -1)$



8.x intercept: no x intercept
 y intercept: 5
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{1}{2})$



4.x intercept: no x intercept
 y intercept: -9
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, -\frac{11}{4})$

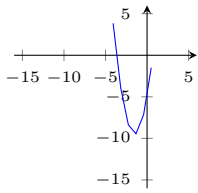
Document No. QFV2391008

1.x intercept: $\frac{-6 \pm \sqrt{76}}{4}$

y intercept:-5

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{19}{2})$

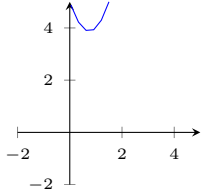


2.x intercept: no x intercept

y intercept:5

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, \frac{31}{8})$

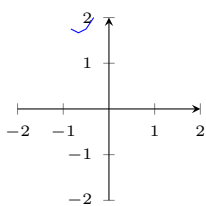


3.x intercept: no x intercept

y intercept:3

axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, \frac{5}{3})$

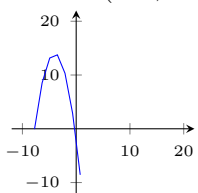


4.x intercept: $-\frac{15}{2}$ and $-\frac{1}{2}$

y intercept:-2

axis of symmetry: $x = -4$

vertex: $(-4, 14)$

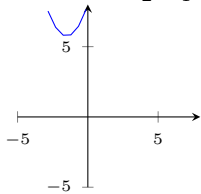


5.x intercept: no x intercept

y intercept:8

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{23}{4})$

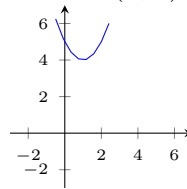


6.x intercept: no x intercept

y intercept:5

axis of symmetry: $x = 1$

vertex: $(1, 4)$

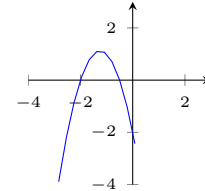


7.x intercept: -2 and $-\frac{1}{2}$

y intercept:-2

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, \frac{9}{8})$

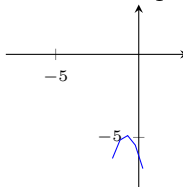


8.x intercept: no x intercept

y intercept:-6

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, -\frac{39}{8})$



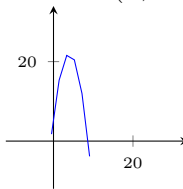
Document No. QFV2391009

1.x intercept: $-\frac{1}{2}$ and $\frac{17}{2}$

y intercept:6

axis of symmetry: $x = 4$

vertex: $(4, 22)$

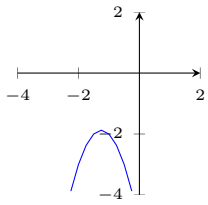


2.x intercept: no x intercept

y intercept:-5

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{15}{8})$

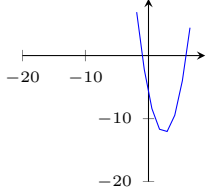


3. x intercept: 6 and -1

y intercept: -6

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{49}{4})$

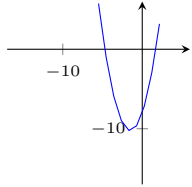


4. x intercept: $\frac{3}{2}$ and $-\frac{9}{2}$

y intercept: -8

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{41}{4})$

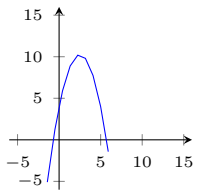


5. x intercept: $-\frac{1}{2}$ and $\frac{11}{2}$

y intercept: 4

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{41}{4})$

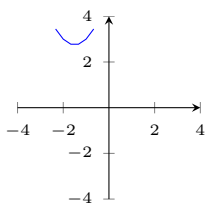


6. x intercept: no x intercept

y intercept: 5

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{11}{4})$

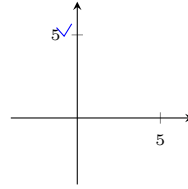


7. x intercept: no x intercept

y intercept: 7

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{59}{12})$

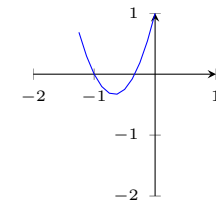


8. x intercept: $-\frac{1}{3}$ and -1

y intercept: 1

axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, -\frac{1}{3})$



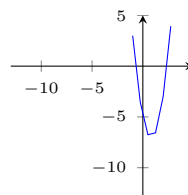
Document No. QFV2391010

1. x intercept: $\frac{7}{3}$ and $-\frac{2}{3}$

y intercept: -5

axis of symmetry: $x = \frac{5}{6}$

vertex: $(\frac{5}{6}, -\frac{85}{12})$

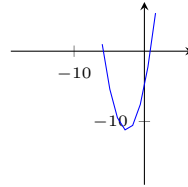


2. x intercept: $\frac{-5 \pm \sqrt{45}}{2}$

y intercept: -5

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{45}{4})$

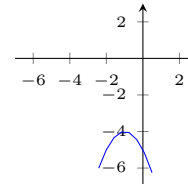


3. x intercept: no x intercept

y intercept: -5

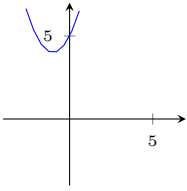
axis of symmetry: $x = -1$

vertex: $(-1, -4)$



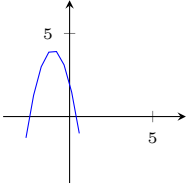
4. x intercept: no x intercept

y intercept: 5
 axis of symmetry: $x = -1$
 vertex: $(-1, 4)$



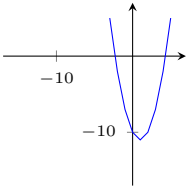
5. x intercept: $\frac{-4 \pm \sqrt{32}}{4}$

y intercept: 2
 axis of symmetry: $x = -1$
 vertex: $(-1, 4)$



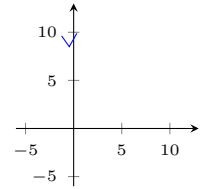
6. x intercept: 4 and -2

y intercept: -10
 axis of symmetry: $x = 1$
 vertex: $(1, -11)$



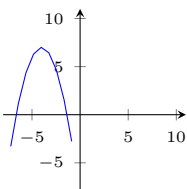
7. x intercept: no x intercept

y intercept: 9
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, \frac{17}{2})$



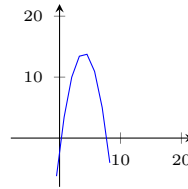
8. x intercept: $\frac{-8 \pm \sqrt{28}}{2}$

y intercept: -9
 axis of symmetry: $x = -4$
 vertex: $(-4, 7)$



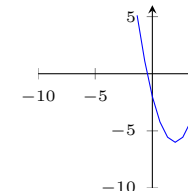
1. x intercept: $\frac{1}{2}$ and $\frac{15}{2}$

y intercept: -2
 axis of symmetry: $x = 4$
 vertex: $(4, 14)$



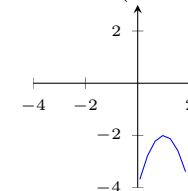
2. x intercept: $\frac{4 \pm \sqrt{24}}{2}$

y intercept: -2
 axis of symmetry: $x = 2$
 vertex: $(2, -6)$



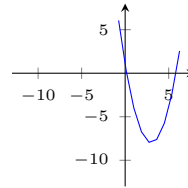
3. x intercept: no x intercept

y intercept: -4
 axis of symmetry: $x = 1$
 vertex: $(1, -2)$



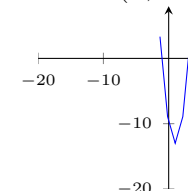
4. x intercept: $\frac{6 \pm \sqrt{32}}{2}$

y intercept: 1
 axis of symmetry: $x = 3$
 vertex: $(3, -8)$

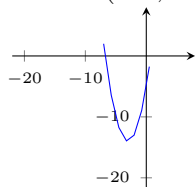


5. x intercept: 3 and -1

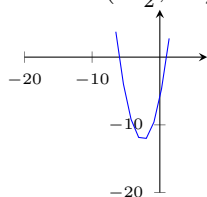
y intercept: -10
 axis of symmetry: $x = 1$
 vertex: $(1, -13)$



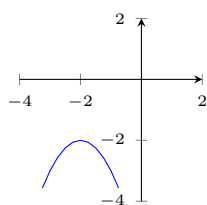
6. x intercept: $\frac{1}{2}$ and $-\frac{13}{2}$
 y intercept: -5
 axis of symmetry: $x = -3$
 vertex: $(-3, -14)$



7. x intercept: 1 and -6
 y intercept: -6
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, -\frac{49}{4})$

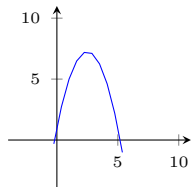


8. x intercept: no x intercept
 y intercept: -6
 axis of symmetry: $x = -2$
 vertex: $(-2, -2)$

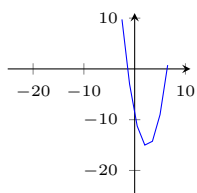


Document No. QFV2391012

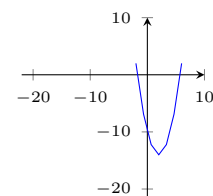
1. x intercept: $\frac{5 \pm \sqrt{29}}{2}$
 y intercept: 1
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, \frac{29}{4})$



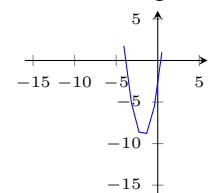
2. x intercept: $\frac{5 \pm \sqrt{61}}{2}$
 y intercept: -9
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{61}{4})$



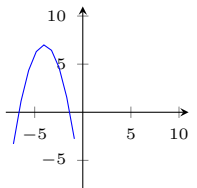
3. x intercept: $\frac{11}{2}$ and $-\frac{3}{2}$
 y intercept: -10
 axis of symmetry: $x = 2$
 vertex: $(2, -14)$



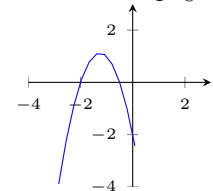
4. x intercept: $\frac{-7 \pm \sqrt{73}}{4}$
 y intercept: -3
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, -\frac{73}{8})$



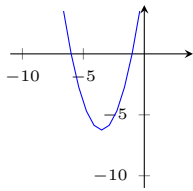
5. x intercept: $\frac{-8 \pm \sqrt{28}}{2}$
 y intercept: -9
 axis of symmetry: $x = -4$
 vertex: $(-4, 7)$



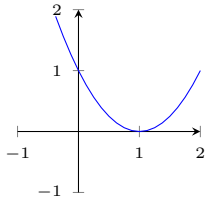
6. x intercept: -2 and $-\frac{1}{2}$
 y intercept: -2
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, \frac{9}{8})$



7. x intercept: -1 and -6
 y intercept: 6
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{25}{4})$

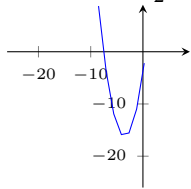


8.x intercept:1
 y intercept:1
 axis of symmetry: $x = 1$
 vertex: (1, 0)

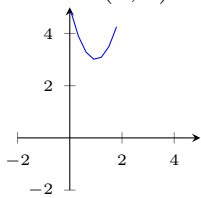


Document No. QFV2391013

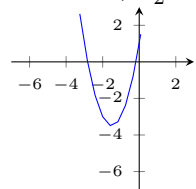
1.x intercept: $\frac{-7 \pm \sqrt{65}}{2}$
 y intercept:-4
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{65}{4})$



2.x intercept: no x intercept
 y intercept:5
 axis of symmetry: $x = 1$
 vertex: (1, 3)

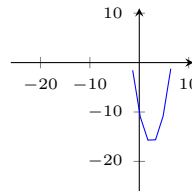


3.x intercept: $\frac{-6 \pm \sqrt{28}}{4}$
 y intercept:1
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{7}{2})$

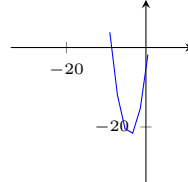


4.x intercept: $\frac{5 \pm \sqrt{65}}{2}$
 y intercept:-10

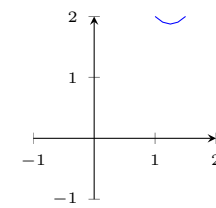
axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{65}{4})$



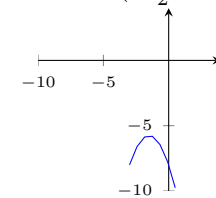
5.x intercept: $\frac{1}{2}$ and $-\frac{17}{2}$
 y intercept:-6
 axis of symmetry: $x = -4$
 vertex: (-4, -22)



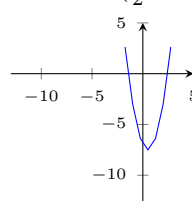
6.x intercept: no x intercept
 y intercept:5
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{15}{8})$



7.x intercept: no x intercept
 y intercept:-8
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{23}{4})$

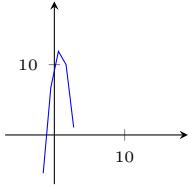


8.x intercept: $\frac{2 \pm \sqrt{60}}{4}$
 y intercept:-7
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{15}{2})$

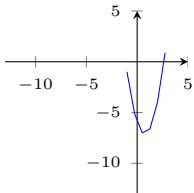


Document No. QFV2391014

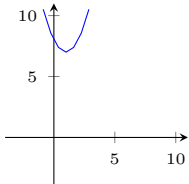
1. x intercept: $-\frac{7}{6}$ and $\frac{17}{6}$
 y intercept: 10
 axis of symmetry: $x = \frac{5}{6}$
 vertex: $(\frac{5}{6}, \frac{145}{12})$



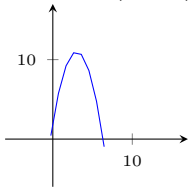
2. x intercept: $\frac{5}{2}$ and -1
 y intercept: -6
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, -\frac{57}{8})$



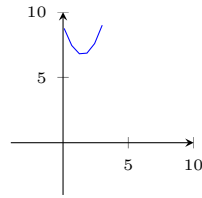
3. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = 1$
 vertex: (1, 7)



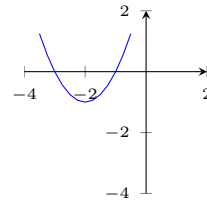
4. x intercept: 0 and 6
 y intercept: 2
 axis of symmetry: $x = 3$
 vertex: (3, 11)



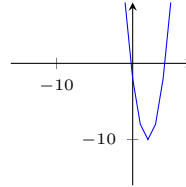
5. x intercept: no x intercept
 y intercept: 9
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{27}{4})$



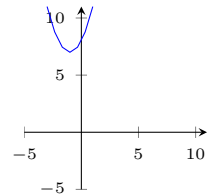
6. x intercept: -1 and -3
 y intercept: 3
 axis of symmetry: $x = -2$
 vertex: $(-2, -1)$



7. x intercept: $\frac{8 \pm \sqrt{80}}{4}$
 y intercept: -2
 axis of symmetry: $x = 2$
 vertex: $(2, -10)$

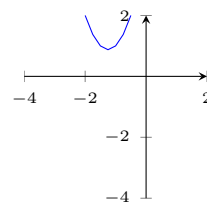


8. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = -1$
 vertex: $(-1, 7)$



Document No. QFV2391015

1. x intercept: no x intercept
 y intercept: 4
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, \frac{7}{8})$

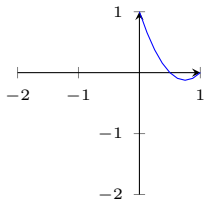


2. x intercept: 1 and $\frac{1}{2}$

y intercept:1

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, -\frac{1}{8})$

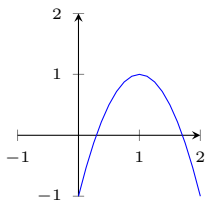


3.x intercept: $\frac{4 \pm \sqrt{8}}{4}$

y intercept:-1

axis of symmetry: $x = 1$

vertex: (1, 1)

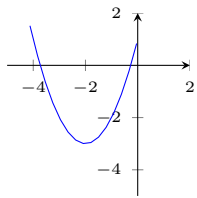


4.x intercept: $\frac{-4 \pm \sqrt{12}}{2}$

y intercept:1

axis of symmetry: $x = -2$

vertex: (-2, -3)

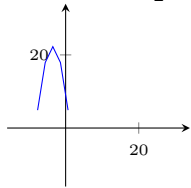


5.x intercept: $\frac{-7 \pm \sqrt{89}}{2}$

y intercept:10

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, \frac{89}{4})$

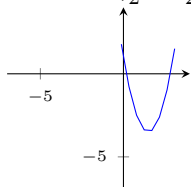


6.x intercept: $\frac{6 \pm \sqrt{28}}{4}$

y intercept:1

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{7}{2})$

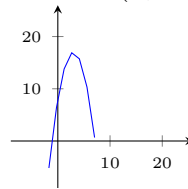


7.x intercept:-1 and 7

y intercept:8

axis of symmetry: $x = 3$

vertex: (3, 17)

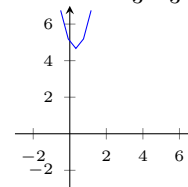


8.x intercept: no x intercept

y intercept:5

axis of symmetry: $x = \frac{1}{3}$

vertex: $(\frac{1}{3}, \frac{14}{3})$



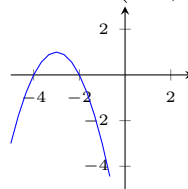
Document No. QFV2391016

1.x intercept:-4 and -2

y intercept:-8

axis of symmetry: $x = -3$

vertex: (-3, 1)

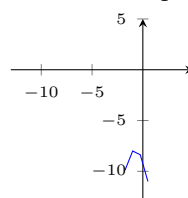


2.x intercept: no x intercept

y intercept:-9

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, -\frac{63}{8})$

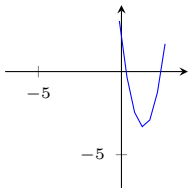


3.x intercept: $\frac{8 \pm \sqrt{40}}{6}$

y intercept:2

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{10}{3})$

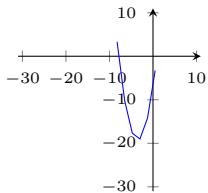


4. x intercept: $\frac{-7 \pm \sqrt{77}}{2}$

y intercept: -7

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, -\frac{77}{4})$

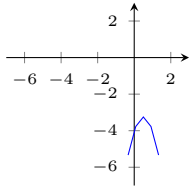


5. x intercept: no x intercept

y intercept: -4

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, -\frac{13}{4})$

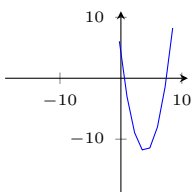


6. x intercept: $\frac{8 \pm \sqrt{48}}{2}$

y intercept: 4

axis of symmetry: $x = 4$

vertex: $(4, -12)$

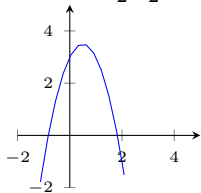


7. x intercept: $\frac{2 \pm \sqrt{28}}{4}$

y intercept: 3

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{7}{2})$

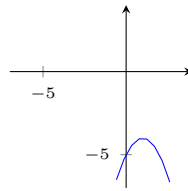


8. x intercept: no x intercept

y intercept: -5

axis of symmetry: $x = 1$

vertex: $(1, -4)$



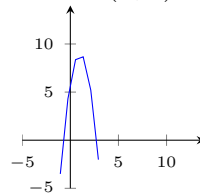
Document No. QFV2391017

1. x intercept: $-\frac{2}{3}$ and $\frac{8}{3}$

y intercept: 6

axis of symmetry: $x = 1$

vertex: $(1, 9)$

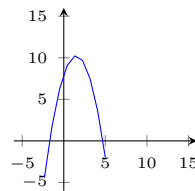


2. x intercept: $-\frac{3}{2}$ and $\frac{9}{2}$

y intercept: 8

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{41}{4})$

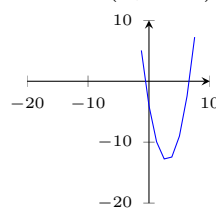


3. x intercept: $\frac{6 \pm \sqrt{52}}{2}$

y intercept: -4

axis of symmetry: $x = 3$

vertex: $(3, -13)$

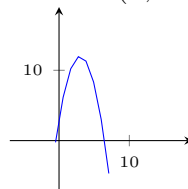


4. x intercept: $\frac{6 \pm \sqrt{48}}{2}$

y intercept: 3

axis of symmetry: $x = 3$

vertex: $(3, 12)$

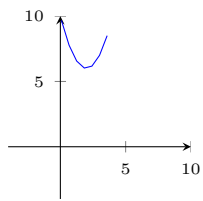


5. x intercept: no x intercept

y intercept: 10

axis of symmetry: $x = 2$

vertex: $(2, 6)$

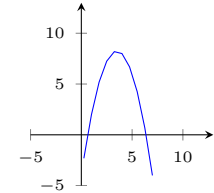


6.x intercept: 1 and 6

y intercept: -4

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{33}{4})$

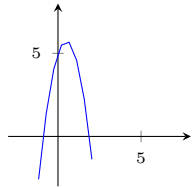


7.x intercept: $-\frac{5}{6}$ and $\frac{11}{6}$

y intercept: 5

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{23}{4})$

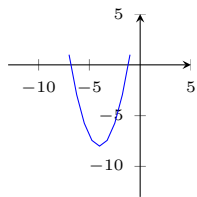


8.x intercept: $\frac{-8 \pm \sqrt{32}}{2}$

y intercept: 8

axis of symmetry: $x = -4$

vertex: $(-4, -8)$



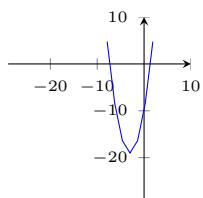
Document No. QFV2391018

1.x intercept: $\frac{-6 \pm \sqrt{76}}{2}$

y intercept: -10

axis of symmetry: $x = -3$

vertex: $(-3, -19)$

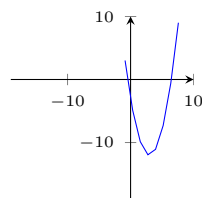


2.x intercept: $\frac{6 \pm \sqrt{48}}{2}$

y intercept: -3

axis of symmetry: $x = 3$

vertex: $(3, -12)$

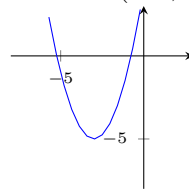


3.x intercept: $\frac{-6 \pm \sqrt{20}}{2}$

y intercept: 4

axis of symmetry: $x = -3$

vertex: $(-3, -5)$

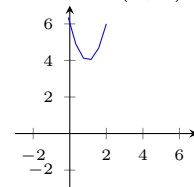


4.x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = 1$

vertex: $(1, 4)$

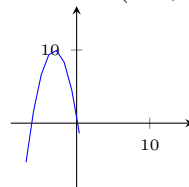


5.x intercept: $\frac{-6 \pm \sqrt{40}}{2}$

y intercept: 1

axis of symmetry: $x = -3$

vertex: $(-3, 10)$

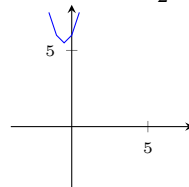


6.x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, \frac{11}{2})$

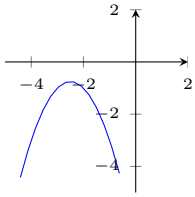


7.x intercept: no x intercept

y intercept:-7

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{3}{4})$

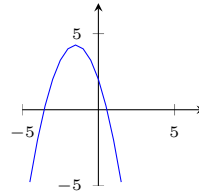
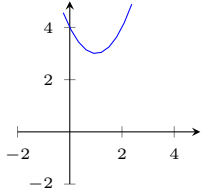


8.x intercept: no x intercept

y intercept:4

axis of symmetry: $x = 1$

vertex: (1, 3)

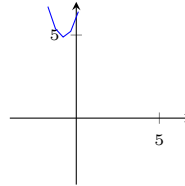


4.x intercept: no x intercept

y intercept:6

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, \frac{39}{8})$

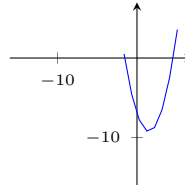


5.x intercept: $\frac{3 \pm \sqrt{37}}{2}$

y intercept:-7

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{37}{4})$



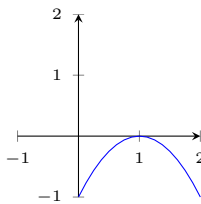
Document No. QFV2391019

1.x intercept:1

y intercept:-1

axis of symmetry: $x = 1$

vertex: (1, 0)

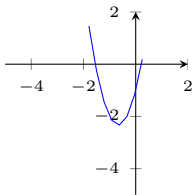


2.x intercept: $\frac{-4 \pm \sqrt{28}}{6}$

y intercept:-1

axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, -\frac{7}{3})$



3.x intercept: $-\frac{7}{2}$ and $\frac{1}{2}$

y intercept:2

axis of symmetry: $x = -\frac{3}{2}$

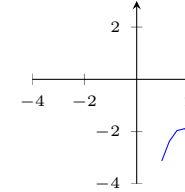
vertex: $(-\frac{3}{2}, \frac{17}{4})$

6.x intercept: no x intercept

y intercept:-8

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, -\frac{15}{8})$

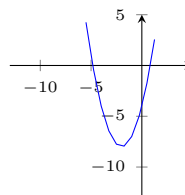


7.x intercept: $\frac{-4 \pm \sqrt{32}}{2}$

y intercept:-4

axis of symmetry: $x = -2$

vertex: (-2, -8)

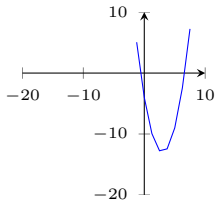


8.x intercept: $\frac{6 \pm \sqrt{52}}{2}$

y intercept:-4

axis of symmetry: $x = 3$

vertex: (3, -13)



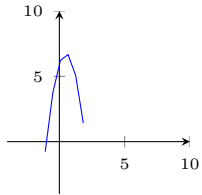
Document No. QFV2391020

1.x intercept:-1 and 2

y intercept:6

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{27}{4})$

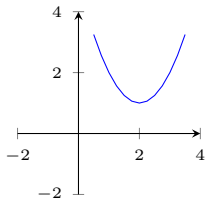


2.x intercept: no x intercept

y intercept:5

axis of symmetry: $x = 2$

vertex: (2, 1)

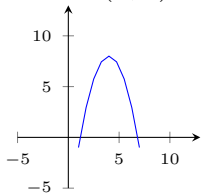


3.x intercept: $\frac{8 \pm \sqrt{32}}{2}$

y intercept:-8

axis of symmetry: $x = 4$

vertex: (4, 8)

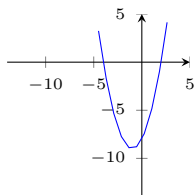


4.x intercept:2 and -4

y intercept:-8

axis of symmetry: $x = -1$

vertex: (-1, -9)

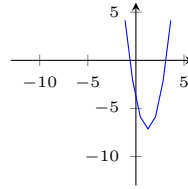


5.x intercept:3 and $-\frac{1}{2}$

y intercept:-4

axis of symmetry: $x = \frac{5}{4}$

vertex: $(\frac{5}{4}, -\frac{57}{8})$

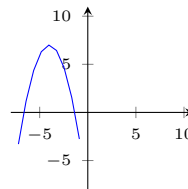


6.x intercept: $\frac{-8 \pm \sqrt{28}}{2}$

y intercept:-9

axis of symmetry: $x = -4$

vertex: (-4, 7)

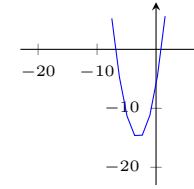


7.x intercept: $\frac{-6 \pm \sqrt{60}}{2}$

y intercept:-6

axis of symmetry: $x = -3$

vertex: (-3, -15)

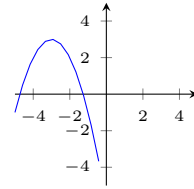


8.x intercept: $\frac{-6 \pm \sqrt{12}}{2}$

y intercept:-6

axis of symmetry: $x = -3$

vertex: (-3, 3)



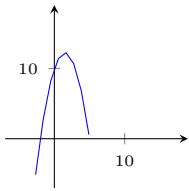
Document No. QFV2391021

1.x intercept:-2 and 5

y intercept:10

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{49}{4})$

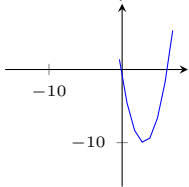


2. x intercept: $\frac{6 \pm \sqrt{40}}{2}$

y intercept: -1

axis of symmetry: $x = 3$

vertex: $(3, -10)$

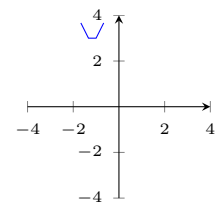


3. x intercept: no x intercept

y intercept: 7

axis of symmetry: $x = -\frac{7}{6}$

vertex: $(-\frac{7}{6}, \frac{35}{12})$

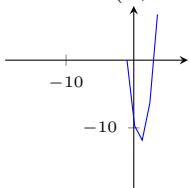


4. x intercept: 3 and -1

y intercept: -9

axis of symmetry: $x = 1$

vertex: $(1, -12)$

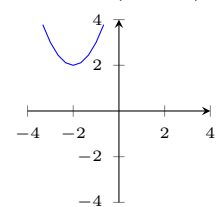


5. x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = -2$

vertex: $(-2, 2)$

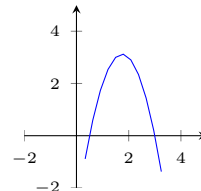


6. x intercept: $\frac{1}{2}$ and 3

y intercept: -3

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{25}{8})$

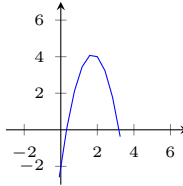


7. x intercept: $\frac{1}{2}$ and 3

y intercept: -2

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{33}{8})$

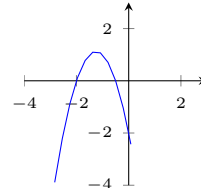


8. x intercept: -2 and $-\frac{1}{2}$

y intercept: -2

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, \frac{9}{8})$



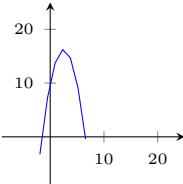
Document No. QFV2391022

1. x intercept: $\frac{5 \pm \sqrt{65}}{2}$

y intercept: 10

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{65}{4})$

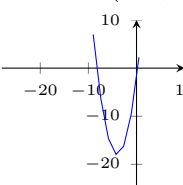


2. x intercept: $\frac{-8 \pm \sqrt{72}}{2}$

y intercept: -2

axis of symmetry: $x = -4$

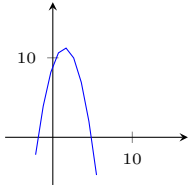
vertex: $(-4, -18)$



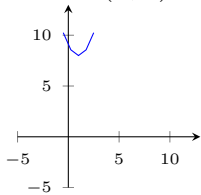
3. x intercept: $\frac{3 \pm \sqrt{45}}{2}$

y intercept: 9

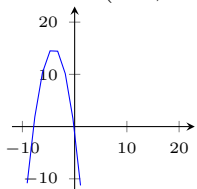
axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{45}{4})$



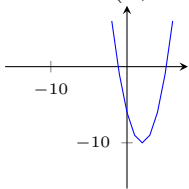
4.x intercept: no x intercept
 y intercept:9
 axis of symmetry: $x = 1$
 vertex: (1, 8)



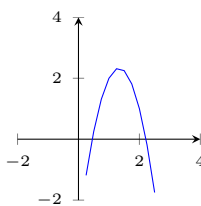
5.x intercept: $\frac{-8 \pm \sqrt{60}}{2}$
 y intercept:-1
 axis of symmetry: $x = -4$
 vertex: (-4, 15)



6.x intercept: $\frac{4 \pm \sqrt{40}}{2}$
 y intercept:-6
 axis of symmetry: $x = 2$
 vertex: (2, -10)

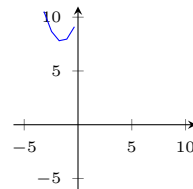


7.x intercept: $\frac{8 \pm \sqrt{28}}{6}$
 y intercept:-3
 axis of symmetry: $x = \frac{4}{3}$
 vertex: $(\frac{4}{3}, \frac{7}{3})$



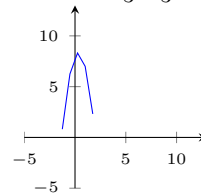
8.x intercept: no x intercept
 y intercept:10

axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{31}{4})$

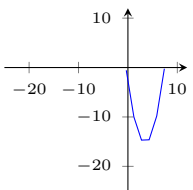


Document No. QFV2391023

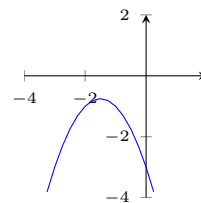
1.x intercept: $-\frac{4}{3}$ and 2
 y intercept:8
 axis of symmetry: $x = \frac{1}{3}$
 vertex: $(\frac{1}{3}, \frac{25}{3})$



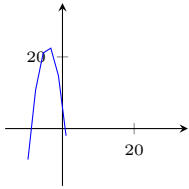
2.x intercept: $\frac{7 \pm \sqrt{61}}{2}$
 y intercept:-3
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{61}{4})$



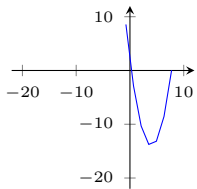
3.x intercept: no x intercept
 y intercept:-3
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{3}{4})$



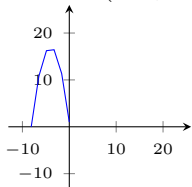
4.x intercept: $\frac{-8 \pm \sqrt{92}}{2}$
 y intercept:7
 axis of symmetry: $x = -4$
 vertex: (-4, 23)



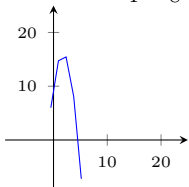
5. x intercept: $\frac{15}{2}$ and $\frac{1}{2}$
 y intercept: 2
 axis of symmetry: $x = 4$
 vertex: $(4, -14)$



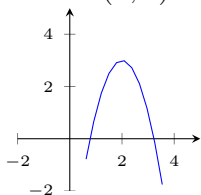
6. x intercept: -8 and 0
 y intercept: 1
 axis of symmetry: $x = -4$
 vertex: $(-4, 17)$



7. x intercept: -1 and $\frac{9}{2}$
 y intercept: 10
 axis of symmetry: $x = \frac{7}{4}$
 vertex: $(\frac{7}{4}, \frac{129}{8})$



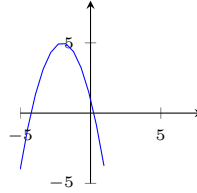
8. x intercept: $\frac{8 \pm \sqrt{24}}{4}$
 y intercept: -5
 axis of symmetry: $x = 2$
 vertex: $(2, 3)$



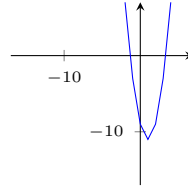
Document No. QFV2391024

1. x intercept: $\frac{-4 \pm \sqrt{20}}{2}$
 y intercept: 1
 axis of symmetry: $x = -2$

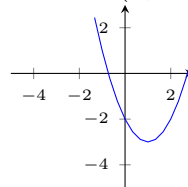
vertex: $(-2, 5)$



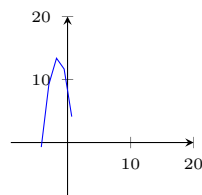
2. x intercept: $\frac{13}{4}$ and $-\frac{5}{4}$
 y intercept: -9
 axis of symmetry: $x = 1$
 vertex: $(1, -11)$



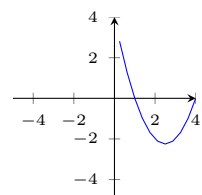
3. x intercept: $\frac{2 \pm \sqrt{12}}{2}$
 y intercept: -2
 axis of symmetry: $x = 1$
 vertex: $(1, -3)$



4. x intercept: -4 and 1
 y intercept: 9
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{27}{2})$

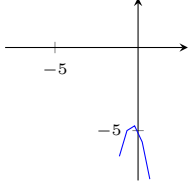


5. x intercept: 4 and 1
 y intercept: 4
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{9}{4})$



6. x intercept: no x intercept
 y intercept: -5
 axis of symmetry: $x = -\frac{1}{3}$

vertex: $(-\frac{1}{3}, -\frac{14}{3})$

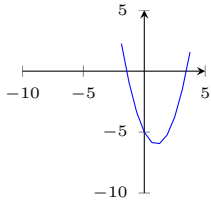


7.x intercept: $\frac{2 \pm \sqrt{24}}{2}$

y intercept: -5

axis of symmetry: $x = 1$

vertex: $(1, -6)$

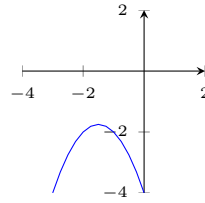
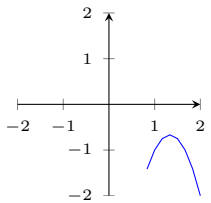


8.x intercept: no x intercept

y intercept: -6

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{2}{3})$

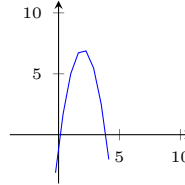


3.x intercept: $\frac{1}{4}$ and $\frac{15}{4}$

y intercept: -1

axis of symmetry: $x = 2$

vertex: $(2, 7)$

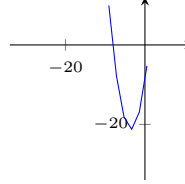


4.x intercept: 1 and -8

y intercept: -9

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, -\frac{85}{4})$

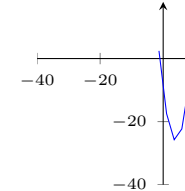


5.x intercept: $\frac{8 \pm \sqrt{104}}{2}$

y intercept: -10

axis of symmetry: $x = 4$

vertex: $(4, -26)$



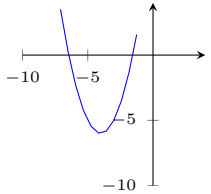
Document No. QFV2391025

1.x intercept: $\frac{-8 \pm \sqrt{24}}{2}$

y intercept: 10

axis of symmetry: $x = -4$

vertex: $(-4, -6)$



2.x intercept: no x intercept

y intercept: -4

axis of symmetry: $x = -\frac{3}{2}$

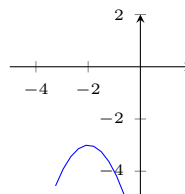
vertex: $(-\frac{3}{2}, -\frac{7}{4})$

6.x intercept: no x intercept

y intercept: -7

axis of symmetry: $x = -2$

vertex: $(-2, -3)$

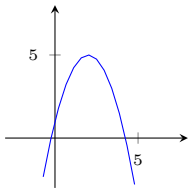


7.x intercept: $\frac{4 \pm \sqrt{20}}{2}$

y intercept: 1

axis of symmetry: $x = 2$

vertex: $(2, 5)$

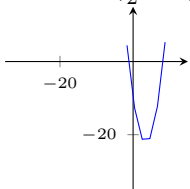


8.x intercept: $\frac{7 \pm \sqrt{89}}{2}$

y intercept: -10

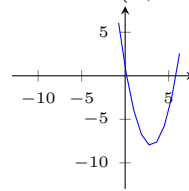
axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{89}{4})$



axis of symmetry: $x = 3$

vertex: $(3, -8)$

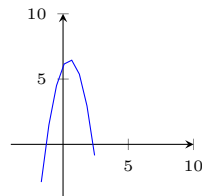


5.x intercept: $\frac{2 \pm \sqrt{52}}{4}$

y intercept: 6

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{13}{2})$



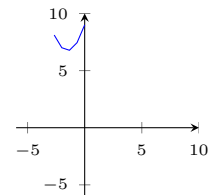
Document No. QFV2391026

1.x intercept: no x intercept

y intercept: 9

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{27}{4})$

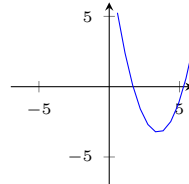


6.x intercept: $\frac{7 \pm \sqrt{13}}{2}$

y intercept: 9

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{13}{4})$

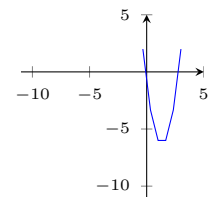


2.x intercept: $\frac{8 \pm \sqrt{76}}{6}$

y intercept: -1

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{19}{3})$

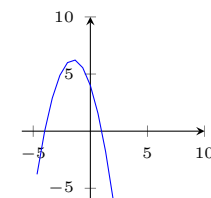


7.x intercept: -4 and 1

y intercept: 4

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{25}{4})$

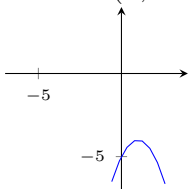


3.x intercept: no x intercept

y intercept: -5

axis of symmetry: $x = 1$

vertex: $(1, -4)$

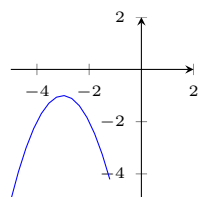


8.x intercept: no x intercept

y intercept: -10

axis of symmetry: $x = -3$

vertex: $(-3, -1)$

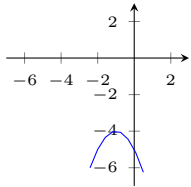


4.x intercept: $\frac{6 \pm \sqrt{32}}{2}$

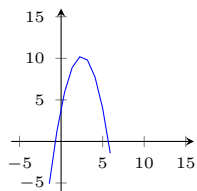
y intercept: 1

Document No. QFV2391027

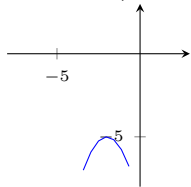
1.x intercept: no x intercept
 y intercept:-5
 axis of symmetry: $x = -1$
 vertex: $(-1, -4)$



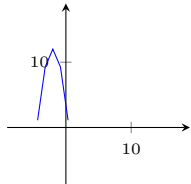
2.x intercept: $-\frac{1}{2}$ and $\frac{11}{2}$
 y intercept:4
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, \frac{41}{4})$



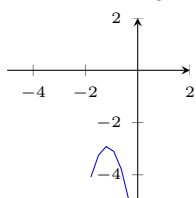
3.x intercept: no x intercept
 y intercept:-9
 axis of symmetry: $x = -2$
 vertex: $(-2, -5)$



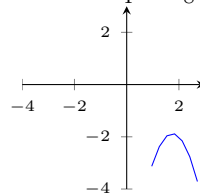
4.x intercept: $\frac{-8 \pm \sqrt{96}}{4}$
 y intercept:4
 axis of symmetry: $x = -2$
 vertex: $(-2, 12)$



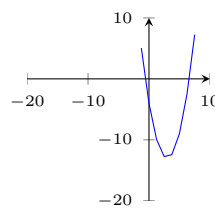
5.x intercept: no x intercept
 y intercept:-7
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, -\frac{35}{12})$



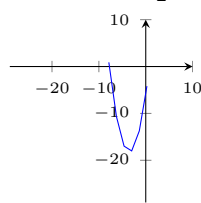
6.x intercept: no x intercept
 y intercept:-8
 axis of symmetry: $x = \frac{7}{4}$
 vertex: $(\frac{7}{4}, -\frac{15}{8})$



7.x intercept: $\frac{6 \pm \sqrt{52}}{2}$
 y intercept:-4
 axis of symmetry: $x = 3$
 vertex: $(3, -13)$

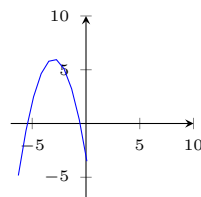


8.x intercept: $\frac{-7 \pm \sqrt{73}}{2}$
 y intercept:-6
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{73}{4})$

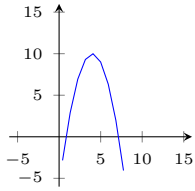


Document No. QFV2391028

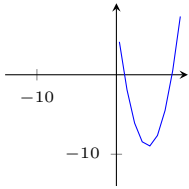
1.x intercept: $\frac{-6 \pm \sqrt{24}}{2}$
 y intercept:-3
 axis of symmetry: $x = -3$
 vertex: $(-3, 6)$



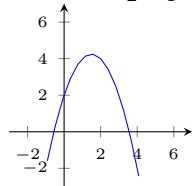
2.x intercept: $\frac{8 \pm \sqrt{40}}{2}$
 y intercept:-6
 axis of symmetry: $x = 4$
 vertex: $(4, 10)$



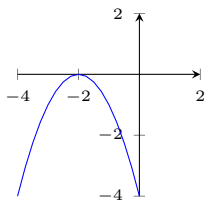
3.x intercept:7 and 1
 y intercept:7
 axis of symmetry: $x = 4$
 vertex: $(4, -9)$



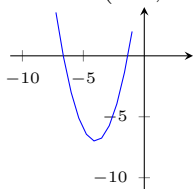
4.x intercept: $-\frac{1}{2}$ and $\frac{7}{2}$
 y intercept:2
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{17}{4})$



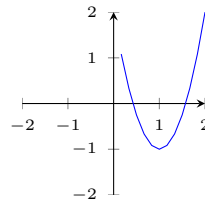
5.x intercept:-2
 y intercept:-4
 axis of symmetry: $x = -2$
 vertex: $(-2, 0)$



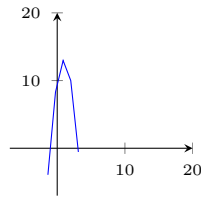
6.x intercept: $\frac{-8 \pm \sqrt{28}}{2}$
 y intercept:9
 axis of symmetry: $x = -4$
 vertex: $(-4, -7)$



7.x intercept: $\frac{6 \pm \sqrt{12}}{6}$
 y intercept:2
 axis of symmetry: $x = 1$
 vertex: $(1, -1)$

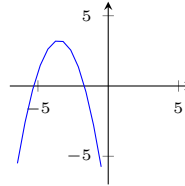


8.x intercept:-1 and 3
 y intercept:10
 axis of symmetry: $x = 1$
 vertex: $(1, 13)$

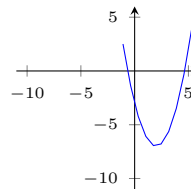


Document No. QFV2391029

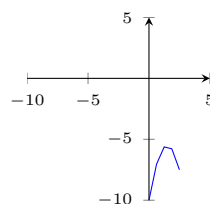
1.x intercept: $\frac{-7 \pm \sqrt{13}}{2}$
 y intercept:-9
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{13}{4})$



2.x intercept: $\frac{4 \pm \sqrt{28}}{2}$
 y intercept:-3
 axis of symmetry: $x = 2$
 vertex: $(2, -7)$



3.x intercept: no x intercept
 y intercept:-10
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{11}{2})$

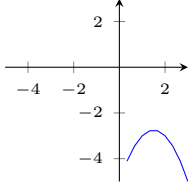


4.x intercept: no x intercept

y intercept:-5

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{11}{4})$

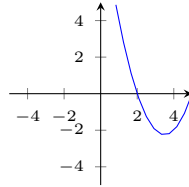


5.x intercept:5 and 2

y intercept:10

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{9}{4})$

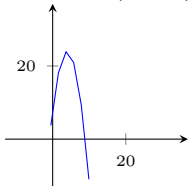


6.x intercept: $\frac{8 \pm \sqrt{96}}{2}$

y intercept:8

axis of symmetry: $x = 4$

vertex: (4, 24)

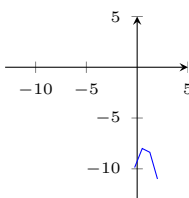


7.x intercept: no x intercept

y intercept:-9

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, -\frac{63}{8})$

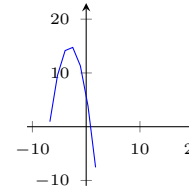


8.x intercept: $\frac{-6 \pm \sqrt{60}}{2}$

y intercept:6

axis of symmetry: $x = -3$

vertex: (-3, 15)

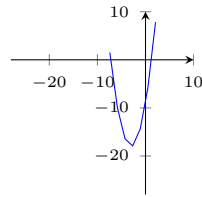


1.x intercept: $\frac{-6 \pm \sqrt{72}}{2}$

y intercept:-9

axis of symmetry: $x = -3$

vertex: (-3, -18)

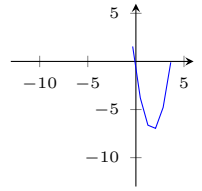


2.x intercept: $\frac{7}{2}$ and 0

y intercept:-1

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, -\frac{57}{8})$

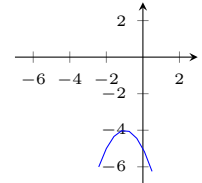


3.x intercept: no x intercept

y intercept:-5

axis of symmetry: $x = -1$

vertex: (-1, -4)

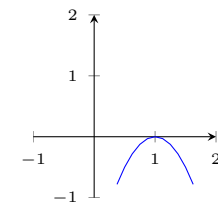


4.x intercept:1

y intercept:-2

axis of symmetry: $x = 1$

vertex: (1, 0)

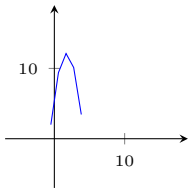


5.x intercept: $\frac{7 \pm \sqrt{97}}{4}$

y intercept:6

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{97}{8})$

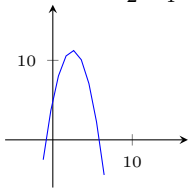


6.x intercept: $\frac{5 \pm \sqrt{45}}{2}$

y intercept: 5

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{45}{4})$

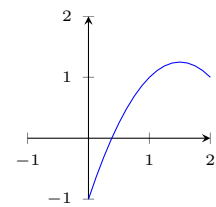


7.x intercept: $\frac{3 \pm \sqrt{5}}{2}$

y intercept: -1

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{5}{4})$

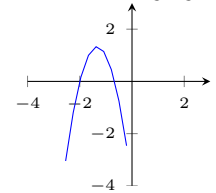


8.x intercept: -2 and $-\frac{2}{3}$

y intercept: -4

axis of symmetry: $x = -\frac{4}{3}$

vertex: $(-\frac{4}{3}, \frac{4}{3})$



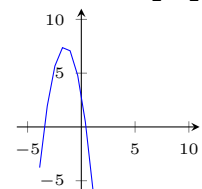
Document No. QFV2391031

1.x intercept: $\frac{-6 \pm \sqrt{60}}{4}$

y intercept: 3

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{15}{2})$

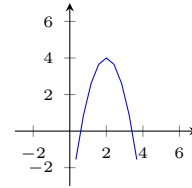


2.x intercept: $\frac{8 \pm \sqrt{32}}{4}$

y intercept: -4

axis of symmetry: $x = 2$

vertex: (2, 4)

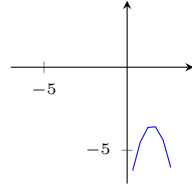


3.x intercept: no x intercept

y intercept: -8

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{7}{2})$

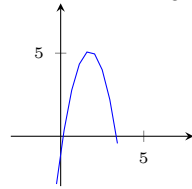


4.x intercept: $\frac{1}{4}$ and $\frac{13}{4}$

y intercept: -1

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{41}{8})$

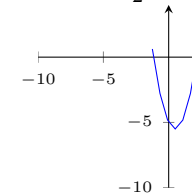


5.x intercept: 2 and -1

y intercept: -5

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, -\frac{11}{2})$

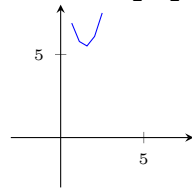


6.x intercept: no x intercept

y intercept: 10

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{11}{2})$

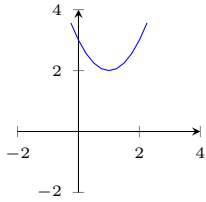


7.x intercept: no x intercept

y intercept: 3

axis of symmetry: $x = 1$

vertex: (1, 2)

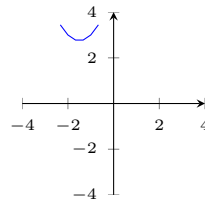
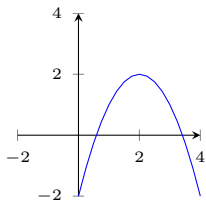


8.x intercept: $\frac{4 \pm \sqrt{8}}{2}$

y intercept: -2

axis of symmetry: $x = 2$

vertex: (2, 2)

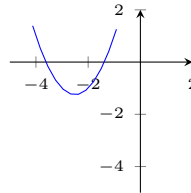


4.x intercept: $\frac{-5 \pm \sqrt{5}}{2}$

y intercept: 5

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{5}{4})$

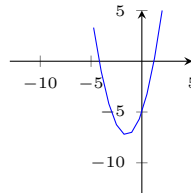


5.x intercept: $\frac{-3 \pm \sqrt{29}}{2}$

y intercept: -5

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{29}{4})$

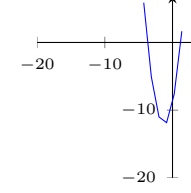


6.x intercept: $\frac{-5 \pm \sqrt{97}}{4}$

y intercept: -9

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{97}{8})$

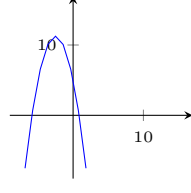


7.x intercept: $\frac{-5 \pm \sqrt{45}}{2}$

y intercept: 5

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{45}{4})$



8.x intercept: $\frac{-8 \pm \sqrt{40}}{4}$

y intercept: -3

axis of symmetry: $x = -2$

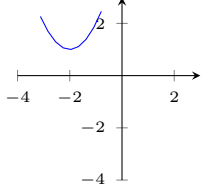
Document No. QFV2391032

1.x intercept: no x intercept

y intercept: 5

axis of symmetry: $x = -2$

vertex: (-2, 1)

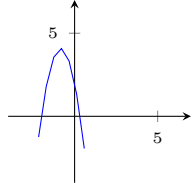


2.x intercept: -2 and $\frac{1}{3}$

y intercept: 2

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{49}{12})$



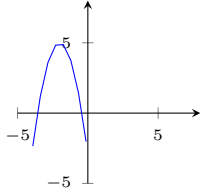
3.x intercept: no x intercept

y intercept: 5

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{11}{4})$

vertex: $(-2, 5)$



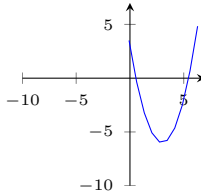
Document No. QFV2391033

1. x intercept: $\frac{6 \pm \sqrt{24}}{2}$

y intercept: 3

axis of symmetry: $x = 3$

vertex: $(3, -6)$

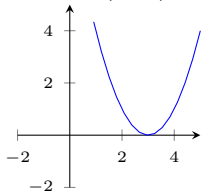


2. x intercept: 3

y intercept: 9

axis of symmetry: $x = 3$

vertex: $(3, 0)$

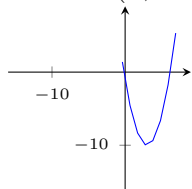


3. x intercept: $\frac{6 \pm \sqrt{40}}{2}$

y intercept: -1

axis of symmetry: $x = 3$

vertex: $(3, -10)$

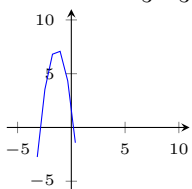


4. x intercept: $-\frac{17}{6}$ and $\frac{1}{6}$

y intercept: 2

axis of symmetry: $x = -\frac{4}{3}$

vertex: $(-\frac{4}{3}, \frac{22}{3})$

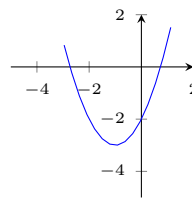


5. x intercept: $\frac{-2 \pm \sqrt{12}}{2}$

y intercept: -2

axis of symmetry: $x = -1$

vertex: $(-1, -3)$

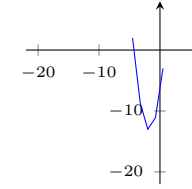


6. x intercept: $\frac{-7 \pm \sqrt{105}}{4}$

y intercept: -7

axis of symmetry: $x = -\frac{7}{4}$

vertex: $(-\frac{7}{4}, -\frac{105}{8})$

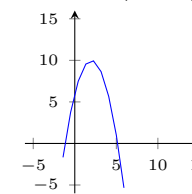


7. x intercept: $\frac{4 \pm \sqrt{40}}{2}$

y intercept: 6

axis of symmetry: $x = 2$

vertex: $(2, 10)$

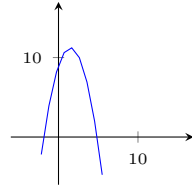


8. x intercept: $\frac{3 \pm \sqrt{45}}{2}$

y intercept: 9

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{45}{4})$



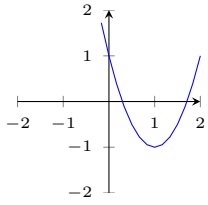
Document No. QFV2391034

1. x intercept: $\frac{4 \pm \sqrt{8}}{4}$

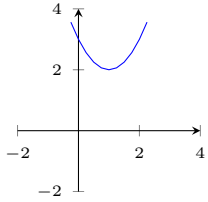
y intercept: 1

axis of symmetry: $x = 1$

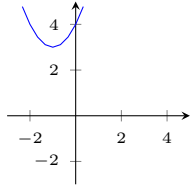
vertex: $(1, -1)$



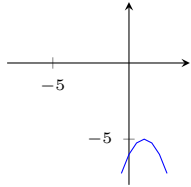
2.x intercept: no x intercept
 y intercept:3
 axis of symmetry: $x = 1$
 vertex: $(1, 2)$



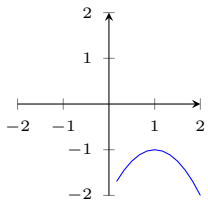
3.x intercept: no x intercept
 y intercept:4
 axis of symmetry: $x = -1$
 vertex: $(-1, 3)$



4.x intercept: no x intercept
 y intercept:-6
 axis of symmetry: $x = 1$
 vertex: $(1, -5)$

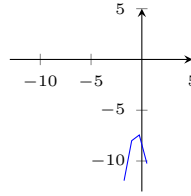


5.x intercept: no x intercept
 y intercept:-2
 axis of symmetry: $x = 1$
 vertex: $(1, -1)$

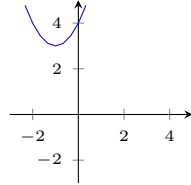


6.x intercept: no x intercept
 y intercept:-8
 axis of symmetry: $x = -\frac{1}{2}$

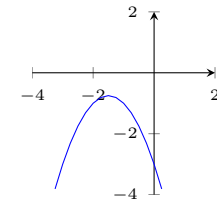
vertex: $(-\frac{1}{2}, -\frac{29}{4})$



7.x intercept: no x intercept
 y intercept:4
 axis of symmetry: $x = -1$
 vertex: $(-1, 3)$

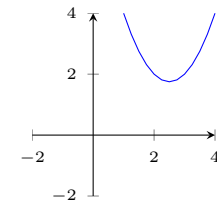


8.x intercept: no x intercept
 y intercept:-3
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{3}{4})$

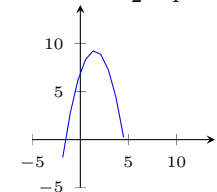


Document No. QFV2391035

1.x intercept: no x intercept
 y intercept:8
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, \frac{7}{4})$



2.x intercept: $\frac{3 \pm \sqrt{37}}{2}$
 y intercept:7
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{37}{4})$

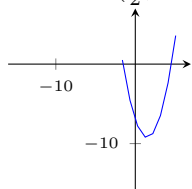


3.x intercept: $\frac{3 \pm \sqrt{37}}{2}$

y intercept: -7

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{37}{4})$

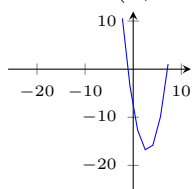


4.x intercept: 7 and -1

y intercept: -8

axis of symmetry: $x = 3$

vertex: (3, -17)

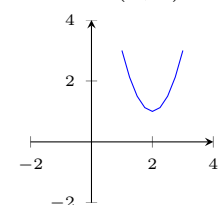


5.x intercept: no x intercept

y intercept: 9

axis of symmetry: $x = 2$

vertex: (2, 1)

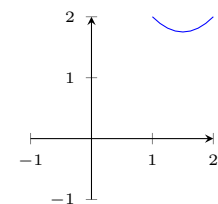


6.x intercept: no x intercept

y intercept: 4

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{7}{4})$

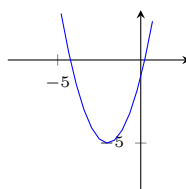


7.x intercept: $\frac{-4 \pm \sqrt{20}}{2}$

y intercept: -1

axis of symmetry: $x = -2$

vertex: (-2, -5)

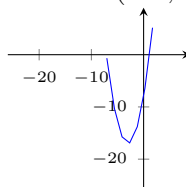


8.x intercept: 1 and -7

y intercept: -8

axis of symmetry: $x = -3$

vertex: (-3, -17)



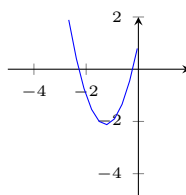
Document No. QFV2391036

1.x intercept: $-\frac{1}{4}$ and $-\frac{9}{4}$

y intercept: 1

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{17}{8})$

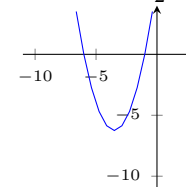


2.x intercept: -1 and -6

y intercept: 6

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, -\frac{25}{4})$

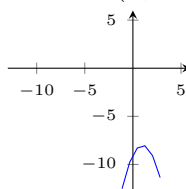


3.x intercept: no x intercept

y intercept: -9

axis of symmetry: $x = 1$

vertex: (1, -8)

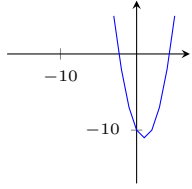


4.x intercept: 4 and -2

y intercept: -10

axis of symmetry: $x = 1$

vertex: $(1, -11)$

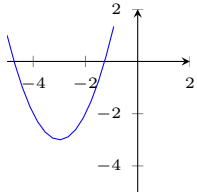


5. x intercept: $\frac{-6 \pm \sqrt{12}}{2}$

y intercept: 6

axis of symmetry: $x = -3$

vertex: $(-3, -3)$

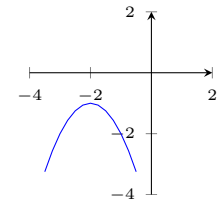


6. x intercept: no x intercept

y intercept: -5

axis of symmetry: $x = -2$

vertex: $(-2, -1)$

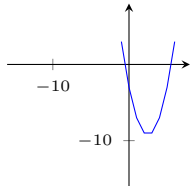


7. x intercept: $\frac{5 \pm \sqrt{37}}{2}$

y intercept: -3

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{37}{4})$

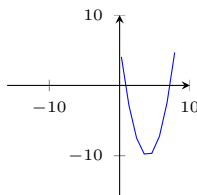


8. x intercept: $\frac{8 \pm \sqrt{40}}{2}$

y intercept: 6

axis of symmetry: $x = 4$

vertex: $(4, -10)$



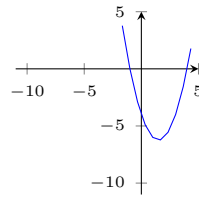
Document No. QFV2391037

1. x intercept: 4 and -1

y intercept: -4

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{25}{4})$

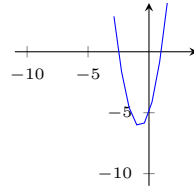


2. x intercept: 1 and $-\frac{5}{2}$

y intercept: -5

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, -\frac{49}{8})$

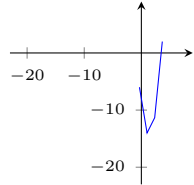


3. x intercept: $\frac{8 \pm \sqrt{172}}{6}$

y intercept: -9

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{43}{3})$

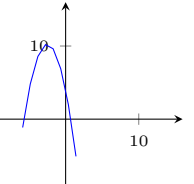


4. x intercept: $-\frac{11}{2}$ and $\frac{1}{2}$

y intercept: 4

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{41}{4})$

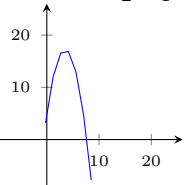


5. x intercept: $-\frac{1}{2}$ and $\frac{15}{2}$

y intercept: 5

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{69}{4})$

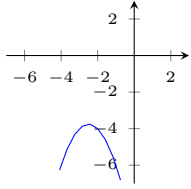


6. x intercept: no x intercept

y intercept:-10

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{15}{4})$

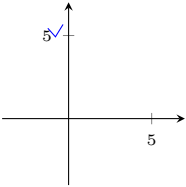


7.x intercept: no x intercept

y intercept:7

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{59}{12})$

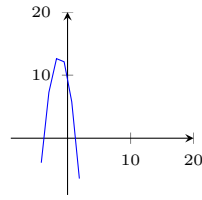
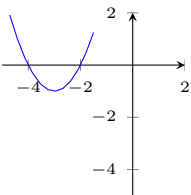


8.x intercept:-2 and -4

y intercept:8

axis of symmetry: $x = -3$

vertex: $(-3, -1)$

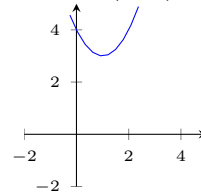


3.x intercept: no x intercept

y intercept:4

axis of symmetry: $x = 1$

vertex: $(1, 3)$

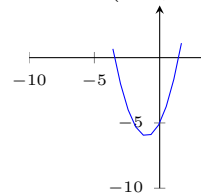


4.x intercept: $\frac{-2 \pm \sqrt{24}}{2}$

y intercept:-5

axis of symmetry: $x = -1$

vertex: $(-1, -6)$

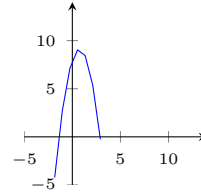


5.x intercept: $\frac{3 \pm \sqrt{73}}{4}$

y intercept:8

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, \frac{73}{8})$



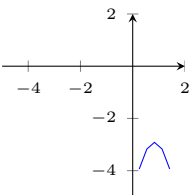
Document No. QFV2391038

1.x intercept: no x intercept

y intercept:-5

axis of symmetry: $x = \frac{5}{6}$

vertex: $(\frac{5}{6}, -\frac{35}{12})$



2.x intercept: $\frac{-5 \pm \sqrt{105}}{4}$

y intercept:10

axis of symmetry: $x = -\frac{5}{4}$

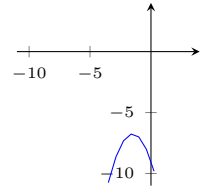
vertex: $(-\frac{5}{4}, \frac{105}{8})$

6.x intercept: no x intercept

y intercept:-9

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{27}{4})$

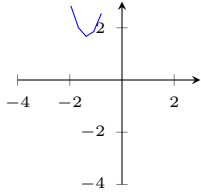


7.x intercept: no x intercept

y intercept:7

axis of symmetry: $x = -\frac{4}{3}$

vertex: $(-\frac{4}{3}, \frac{5}{3})$

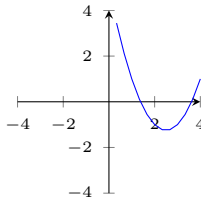


8.x intercept: $\frac{5 \pm \sqrt{5}}{2}$

y intercept: 5

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{5}{4})$

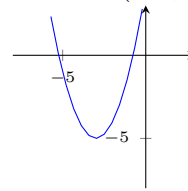


4.x intercept: $\frac{-6 \pm \sqrt{20}}{2}$

y intercept: 4

axis of symmetry: $x = -3$

vertex: $(-3, -5)$

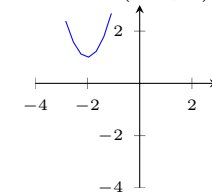


5.x intercept: no x intercept

y intercept: 9

axis of symmetry: $x = -2$

vertex: $(-2, 1)$



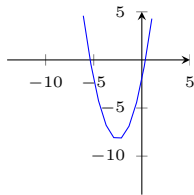
Document No. QFV2391039

1.x intercept: 0 and -5

y intercept: -2

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{33}{4})$

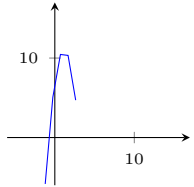


2.x intercept: $\frac{7 \pm \sqrt{133}}{6}$

y intercept: 7

axis of symmetry: $x = \frac{7}{6}$

vertex: $(\frac{7}{6}, \frac{133}{12})$

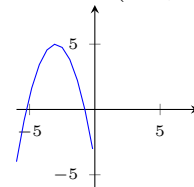


3.x intercept: $\frac{-6 \pm \sqrt{20}}{2}$

y intercept: -4

axis of symmetry: $x = -3$

vertex: $(-3, 5)$

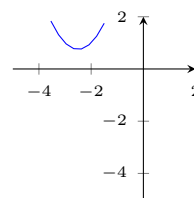


6.x intercept: no x intercept

y intercept: 7

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{3}{4})$

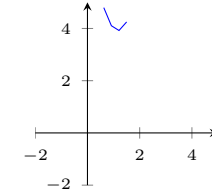


7.x intercept: no x intercept

y intercept: 8

axis of symmetry: $x = \frac{7}{6}$

vertex: $(\frac{7}{6}, \frac{47}{12})$

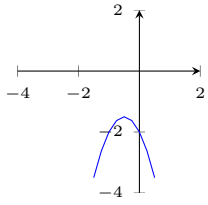


8.x intercept: no x intercept

y intercept: -2

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, -\frac{3}{2})$



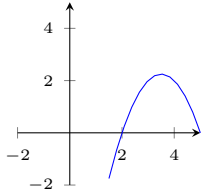
Document No. QFV2391040

1.x intercept:2 and 5

y intercept:-10

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{9}{4})$

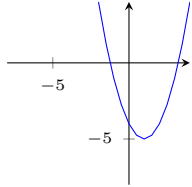


2.x intercept: $\frac{2 \pm \sqrt{20}}{2}$

y intercept:-4

axis of symmetry: $x = 1$

vertex: $(1, -5)$

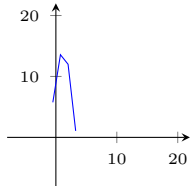


3.x intercept:-1 and $\frac{10}{3}$

y intercept:10

axis of symmetry: $x = \frac{7}{6}$

vertex: $(\frac{7}{6}, \frac{169}{12})$

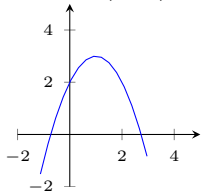


4.x intercept: $\frac{2 \pm \sqrt{12}}{2}$

y intercept:2

axis of symmetry: $x = 1$

vertex: $(1, 3)$

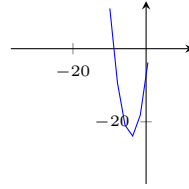


5.x intercept: $\frac{-8 \pm \sqrt{96}}{2}$

y intercept:-8

axis of symmetry: $x = -4$

vertex: $(-4, -24)$

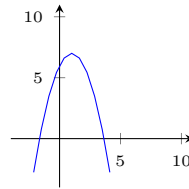


6.x intercept: $\frac{2 \pm \sqrt{28}}{2}$

y intercept:6

axis of symmetry: $x = 1$

vertex: $(1, 7)$

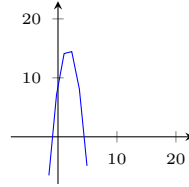


7.x intercept:-1 and $\frac{9}{2}$

y intercept:9

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{121}{8})$

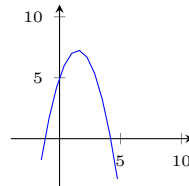


8.x intercept: $\frac{3 \pm \sqrt{29}}{2}$

y intercept:5

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{29}{4})$



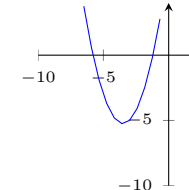
Document No. QFV2391041

1.x intercept: $-\frac{3}{2}$ and $-\frac{11}{2}$

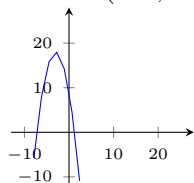
y intercept:7

axis of symmetry: $x = -\frac{7}{2}$

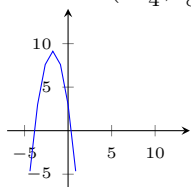
vertex: $(-\frac{7}{2}, -\frac{21}{4})$



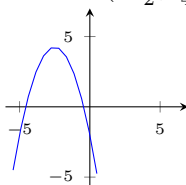
2.x intercept: $\frac{-6 \pm \sqrt{72}}{2}$
 y intercept: 9
 axis of symmetry: $x = -3$
 vertex: $(-3, 18)$



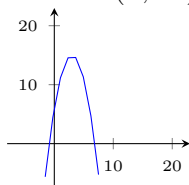
3.x intercept: $\frac{-7 \pm \sqrt{73}}{4}$
 y intercept: 3
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, \frac{73}{8})$



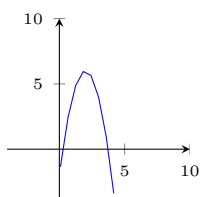
4.x intercept: $-\frac{9}{2}$ and $-\frac{1}{2}$
 y intercept: -2
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{17}{4})$



5.x intercept: $\frac{6 \pm \sqrt{60}}{2}$
 y intercept: 6
 axis of symmetry: $x = 3$
 vertex: $(3, 15)$

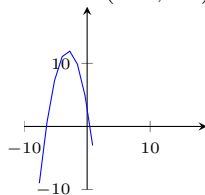


6.x intercept: $\frac{8 \pm \sqrt{48}}{4}$
 y intercept: -2
 axis of symmetry: $x = 2$
 vertex: $(2, 6)$

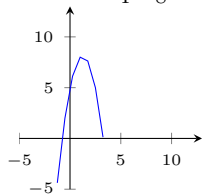


7.x intercept: $\frac{-6 \pm \sqrt{48}}{2}$

y intercept: 3
 axis of symmetry: $x = -3$
 vertex: $(-3, 12)$

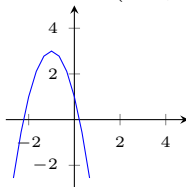


8.x intercept: $\frac{5 \pm \sqrt{65}}{4}$
 y intercept: 5
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{65}{8})$

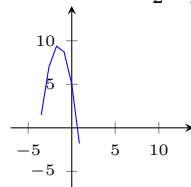


Document No. QFV2391042

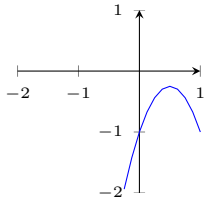
1.x intercept: $\frac{-4 \pm \sqrt{24}}{4}$
 y intercept: 1
 axis of symmetry: $x = -1$
 vertex: $(-1, 3)$



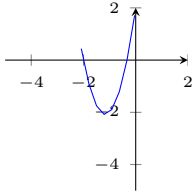
2.x intercept: $\frac{-6 \pm \sqrt{76}}{4}$
 y intercept: 5
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{19}{2})$



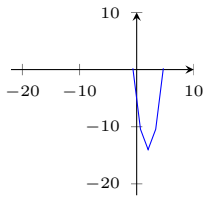
3.x intercept: no x intercept
 y intercept: -1
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{1}{4})$



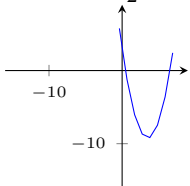
4. x intercept: $-\frac{1}{3}$ and -2
 y intercept: 2
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, -\frac{25}{12})$



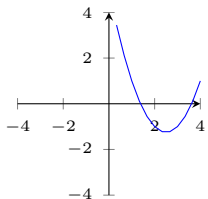
5. x intercept: $\frac{8 \pm \sqrt{112}}{4}$
 y intercept: -6
 axis of symmetry: $x = 2$
 vertex: $(2, -14)$



6. x intercept: $\frac{7 \pm \sqrt{37}}{2}$
 y intercept: 3
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{37}{4})$

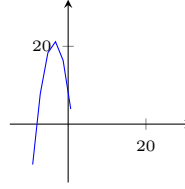


7. x intercept: $\frac{5 \pm \sqrt{5}}{2}$
 y intercept: 5
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{5}{4})$



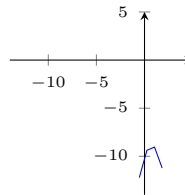
8. x intercept: -8 and 1
 y intercept: 9
 axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, \frac{85}{4})$

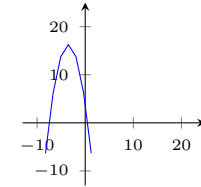


Document No. QFV2391043

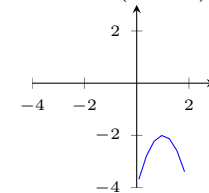
1. x intercept: no x intercept
 y intercept: -10
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, -\frac{71}{8})$



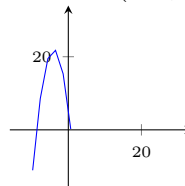
2. x intercept: $-\frac{7 \pm \sqrt{65}}{2}$
 y intercept: 4
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{65}{4})$



3. x intercept: no x intercept
 y intercept: -4
 axis of symmetry: $x = 1$
 vertex: $(1, -2)$



4. x intercept: $-\frac{17}{2}$ and $\frac{1}{2}$
 y intercept: 6
 axis of symmetry: $x = -4$
 vertex: $(-4, 22)$

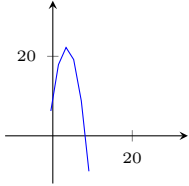


5. x intercept: $\frac{7 \pm \sqrt{89}}{2}$

y intercept:10

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{89}{4})$

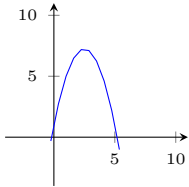


6.x intercept: $\frac{5 \pm \sqrt{29}}{2}$

y intercept:1

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{29}{4})$

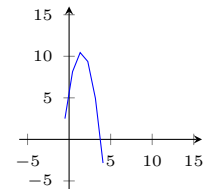


7.x intercept: $-\frac{3}{4}$ and $\frac{15}{4}$

y intercept:6

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{21}{2})$

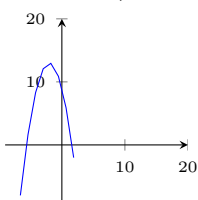


8.x intercept: $\frac{-4 \pm \sqrt{52}}{2}$

y intercept:9

axis of symmetry: $x = -2$

vertex: $(-2, 13)$



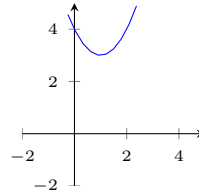
Document No. QFV2391044

1.x intercept: no x intercept

y intercept:4

axis of symmetry: $x = 1$

vertex: $(1, 3)$

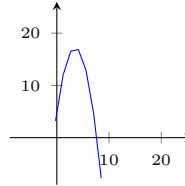


2.x intercept: $-\frac{1}{2}$ and $\frac{15}{2}$

y intercept:5

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{69}{4})$

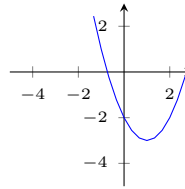


3.x intercept: $\frac{2 \pm \sqrt{12}}{2}$

y intercept:-2

axis of symmetry: $x = 1$

vertex: $(1, -3)$

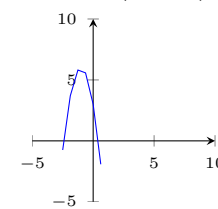


4.x intercept: $\frac{-6 \pm \sqrt{72}}{6}$

y intercept:3

axis of symmetry: $x = -1$

vertex: $(-1, 6)$

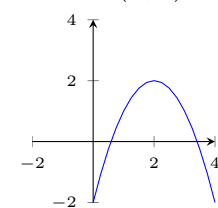


5.x intercept: $\frac{4 \pm \sqrt{8}}{2}$

y intercept:-2

axis of symmetry: $x = 2$

vertex: $(2, 2)$

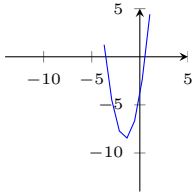


6.x intercept: $\frac{1}{2}$ and $-\frac{7}{2}$

y intercept:-4

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{17}{2})$

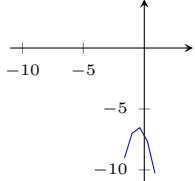


7.x intercept: no x intercept

y intercept:-7

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, -\frac{13}{2})$

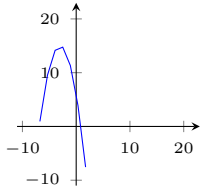


8.x intercept: $\frac{-6 \pm \sqrt{60}}{2}$

y intercept:6

axis of symmetry: $x = -3$

vertex: $(-3, 15)$



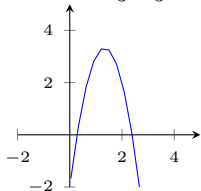
Document No. QFV2391045

1.x intercept: $\frac{8 \pm \sqrt{40}}{6}$

y intercept:-2

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, \frac{10}{3})$

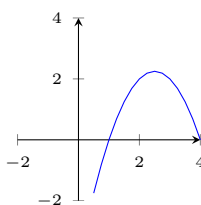


2.x intercept:1 and 4

y intercept:-4

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{9}{4})$

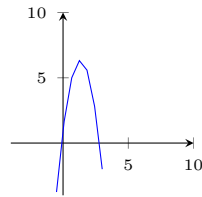


3.x intercept: $\frac{8 \pm \sqrt{76}}{6}$

y intercept:1

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, \frac{19}{3})$

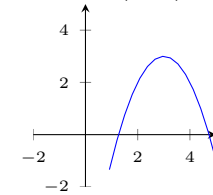


4.x intercept: $\frac{6 \pm \sqrt{12}}{2}$

y intercept:-6

axis of symmetry: $x = 3$

vertex: $(3, 3)$

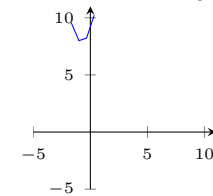


5.x intercept: no x intercept

y intercept:9

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, \frac{63}{8})$

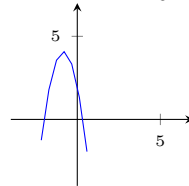


6.x intercept:-2 and $\frac{1}{3}$

y intercept:2

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{49}{12})$

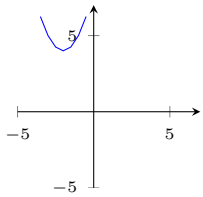


7.x intercept: no x intercept

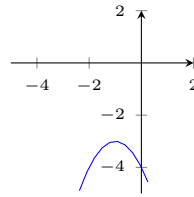
y intercept:8

axis of symmetry: $x = -2$

vertex: $(-2, 4)$

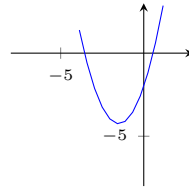
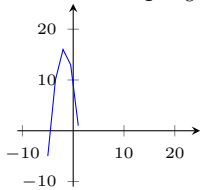


y intercept:-4
axis of symmetry: $x = -1$
vertex: $(-1, -3)$



8.x intercept: $-\frac{9}{2}$ and 1
y intercept:10
axis of symmetry: $x = -\frac{7}{4}$
vertex: $(-\frac{7}{4}, \frac{129}{8})$

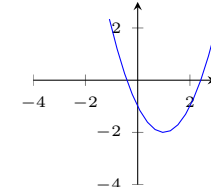
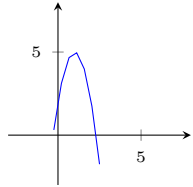
5.x intercept: $\frac{1}{2}$ and $-\frac{7}{2}$
y intercept:-2
axis of symmetry: $x = -\frac{3}{2}$
vertex: $(-\frac{3}{2}, -\frac{17}{4})$



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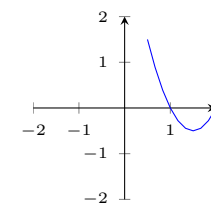
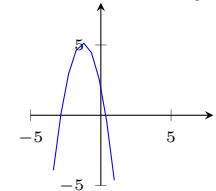
1.x intercept: $\frac{6 \pm \sqrt{60}}{6}$
y intercept:2
axis of symmetry: $x = 1$
vertex: $(1, 5)$

6.x intercept: $\frac{2 \pm \sqrt{8}}{2}$
y intercept:-1
axis of symmetry: $x = 1$
vertex: $(1, -2)$



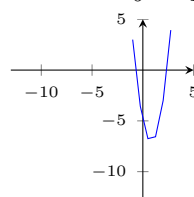
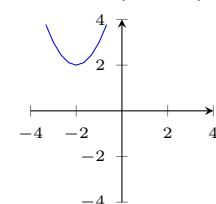
2.x intercept: $-\frac{11}{4}$ and $\frac{1}{4}$
y intercept:2
axis of symmetry: $x = -\frac{5}{4}$
vertex: $(-\frac{5}{4}, \frac{41}{8})$

7.x intercept:2 and 1
y intercept:4
axis of symmetry: $x = \frac{3}{2}$
vertex: $(\frac{3}{2}, -\frac{1}{2})$



3.x intercept: no x intercept
y intercept:6
axis of symmetry: $x = -2$
vertex: $(-2, 2)$

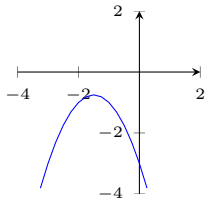
8.x intercept: $\frac{7}{3}$ and $-\frac{2}{3}$
y intercept:-5
axis of symmetry: $x = \frac{5}{6}$
vertex: $(\frac{5}{6}, -\frac{85}{12})$



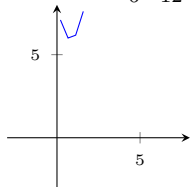
4.x intercept: no x intercept

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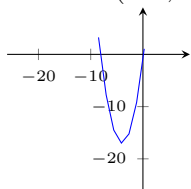
1. x intercept: no x intercept
 y intercept: -3
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{3}{4})$



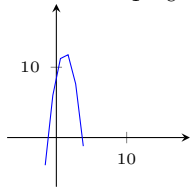
2. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = \frac{5}{6}$
 vertex: $(\frac{5}{6}, \frac{71}{12})$



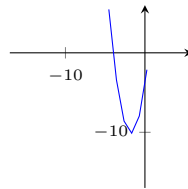
3. x intercept: 0 and -8
 y intercept: -1
 axis of symmetry: $x = -4$
 vertex: $(-4, -17)$



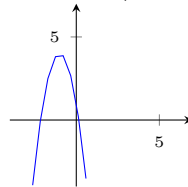
4. x intercept: $\frac{5 \pm \sqrt{97}}{4}$
 y intercept: 9
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{97}{8})$



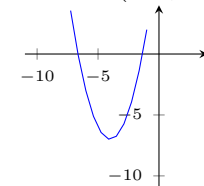
5. x intercept: $\frac{1}{2}$ and -4
 y intercept: -4
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, -\frac{81}{8})$



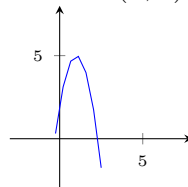
6. x intercept: $\frac{-6 \pm \sqrt{48}}{6}$
 y intercept: 1
 axis of symmetry: $x = -1$
 vertex: $(-1, 4)$



7. x intercept: $\frac{-8 \pm \sqrt{28}}{2}$
 y intercept: 9
 axis of symmetry: $x = -4$
 vertex: $(-4, -7)$

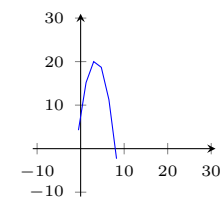


8. x intercept: $\frac{6 \pm \sqrt{60}}{6}$
 y intercept: 2
 axis of symmetry: $x = 1$
 vertex: $(1, 5)$



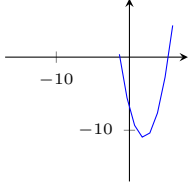
Document No. QFV2391048

1. x intercept: -1 and 8
 y intercept: 8
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{81}{4})$



2. x intercept: 5 and -1
 y intercept: -7
 axis of symmetry: $x = 2$

vertex: $(2, -11)$

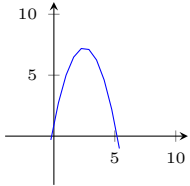


3. x intercept: $\frac{5 \pm \sqrt{29}}{2}$

y intercept: 1

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{29}{4})$

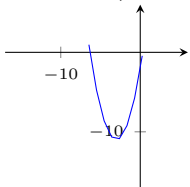


4. x intercept: 0 and -6

y intercept: -2

axis of symmetry: $x = -3$

vertex: $(-3, -11)$

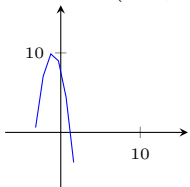


5. x intercept: $\frac{-4 \pm \sqrt{80}}{4}$

y intercept: 8

axis of symmetry: $x = -1$

vertex: $(-1, 10)$

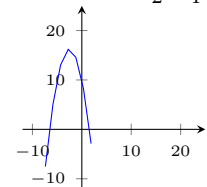


6. x intercept: $\frac{-5 \pm \sqrt{65}}{2}$

y intercept: 10

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{65}{4})$

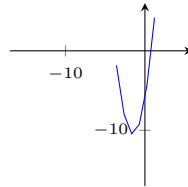


7. x intercept: $\frac{3}{4}$ and $-\frac{15}{4}$

y intercept: -6

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{21}{2})$

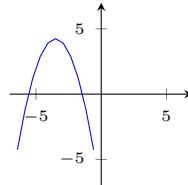


8. x intercept: $-\frac{11}{2}$ and $-\frac{3}{2}$

y intercept: -8

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, \frac{17}{4})$



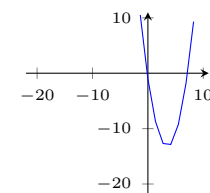
Document No. QFV2391049

1. x intercept: 7 and 0

y intercept: -1

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{53}{4})$

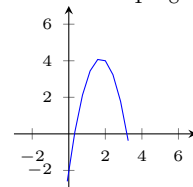


2. x intercept: $\frac{1}{2}$ and 3

y intercept: -2

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{33}{8})$

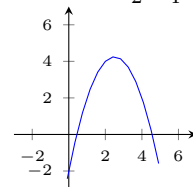


3. x intercept: $\frac{1}{2}$ and $\frac{9}{2}$

y intercept: -2

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{17}{4})$

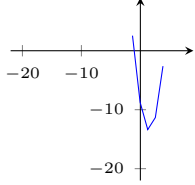


4. x intercept: 4 and -1

y intercept: -9

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{27}{2})$

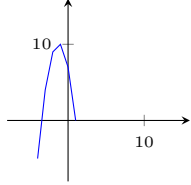


5. x intercept: $-\frac{7}{2}$ and 1

y intercept: 7

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, \frac{81}{8})$

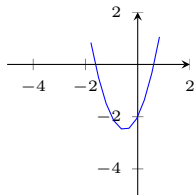


6. x intercept: $\frac{-2 \pm \sqrt{20}}{4}$

y intercept: -2

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, -\frac{5}{2})$

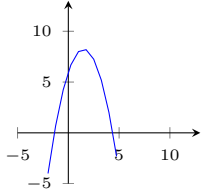


7. x intercept: -1 and 4

y intercept: 6

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{33}{4})$

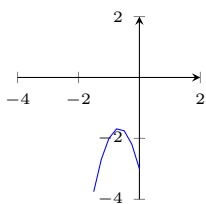


8. x intercept: no x intercept

y intercept: -3

axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, -\frac{5}{3})$

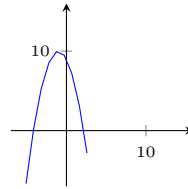


1. x intercept: $\frac{-2 \pm \sqrt{40}}{2}$

y intercept: 9

axis of symmetry: $x = -1$

vertex: $(-1, 10)$

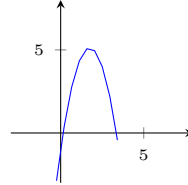


2. x intercept: $\frac{1}{4}$ and $\frac{13}{4}$

y intercept: -1

axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{41}{8})$

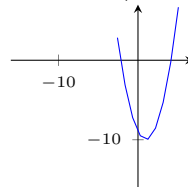


3. x intercept: $\frac{2 \pm \sqrt{40}}{2}$

y intercept: -9

axis of symmetry: $x = 1$

vertex: $(1, -10)$

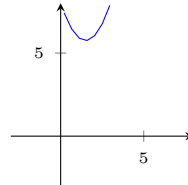


4. x intercept: no x intercept

y intercept: 8

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{23}{4})$

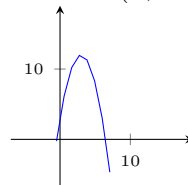


5. x intercept: $\frac{6 \pm \sqrt{48}}{2}$

y intercept: 3

axis of symmetry: $x = 3$

vertex: $(3, 12)$

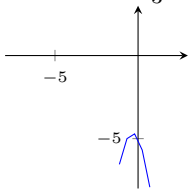


6. x intercept: no x intercept

y intercept:-5

axis of symmetry: $x = -\frac{1}{3}$

vertex: $(-\frac{1}{3}, -\frac{14}{3})$

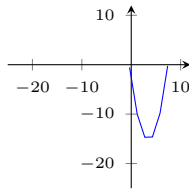


7.x intercept: $\frac{7 \pm \sqrt{61}}{2}$

y intercept:-3

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{61}{4})$

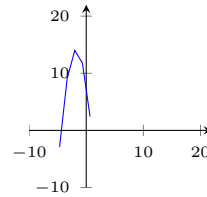
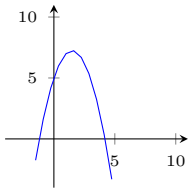


8.x intercept: $\frac{3 \pm \sqrt{29}}{2}$

y intercept:5

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{29}{4})$

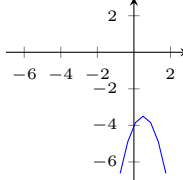


3.x intercept: no x intercept

y intercept:-4

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, -\frac{7}{2})$

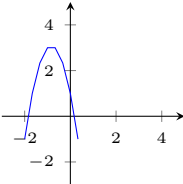


4.x intercept: $\frac{-5 \pm \sqrt{37}}{6}$

y intercept:1

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{37}{12})$

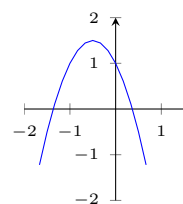


5.x intercept: $\frac{-2 \pm \sqrt{12}}{4}$

y intercept:1

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, \frac{3}{2})$



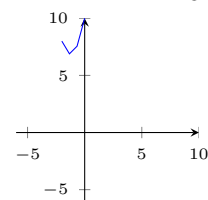
Document No. QFV2391051

1.x intercept: no x intercept

y intercept:10

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, \frac{55}{8})$



2.x intercept: $\frac{-7 \pm \sqrt{113}}{4}$

y intercept:8

axis of symmetry: $x = -\frac{7}{4}$

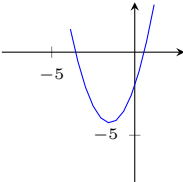
vertex: $(-\frac{7}{4}, \frac{113}{8})$

6.x intercept: $\frac{1}{2}$ and $-\frac{7}{2}$

y intercept:-2

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{17}{4})$

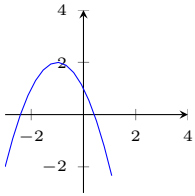


7.x intercept: $\frac{-2 \pm \sqrt{8}}{2}$

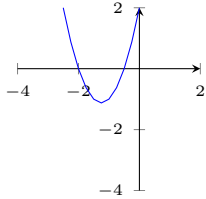
y intercept:1

axis of symmetry: $x = -1$

vertex: $(-1, 2)$

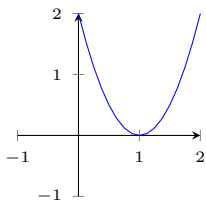


8.x intercept: $-\frac{1}{2}$ and -2
 y intercept: 2
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, -\frac{9}{8})$

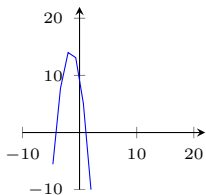


Document No. QFV2391052

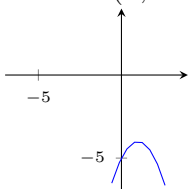
1.x intercept: 1
 y intercept: 2
 axis of symmetry: $x = 1$
 vertex: (1, 0)



2.x intercept: $\frac{-6 \pm \sqrt{116}}{4}$
 y intercept: 10
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{29}{2})$

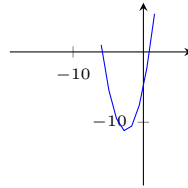


3.x intercept: no x intercept
 y intercept: -5
 axis of symmetry: $x = 1$
 vertex: (1, -4)

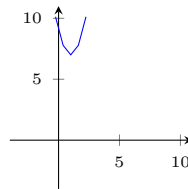


4.x intercept: $\frac{-5 \pm \sqrt{45}}{2}$

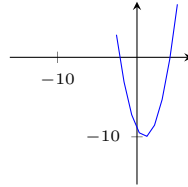
y intercept: -5
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, -\frac{45}{4})$



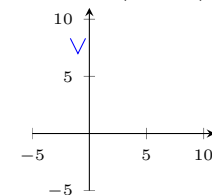
5.x intercept: no x intercept
 y intercept: 9
 axis of symmetry: $x = 1$
 vertex: (1, 7)



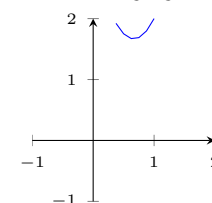
6.x intercept: $\frac{2 \pm \sqrt{40}}{2}$
 y intercept: -9
 axis of symmetry: $x = 1$
 vertex: (1, -10)



7.x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = -1$
 vertex: (-1, 7)

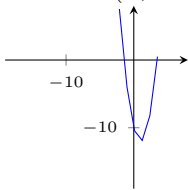


8.x intercept: no x intercept
 y intercept: 3
 axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, \frac{5}{3})$

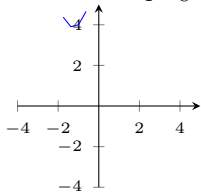


Document No. QFV2391053

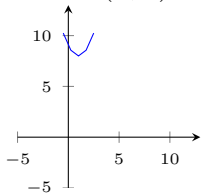
1. x intercept: $\frac{4 \pm \sqrt{96}}{4}$
 y intercept: -10
 axis of symmetry: $x = 1$
 vertex: $(1, -12)$



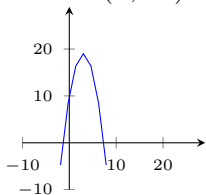
2. x intercept: no x intercept
 y intercept: 7
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, \frac{31}{8})$



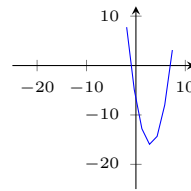
3. x intercept: no x intercept
 y intercept: 9
 axis of symmetry: $x = 1$
 vertex: $(1, 8)$



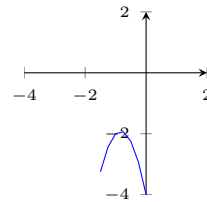
4. x intercept: $\frac{6 \pm \sqrt{76}}{2}$
 y intercept: 10
 axis of symmetry: $x = 3$
 vertex: $(3, 19)$



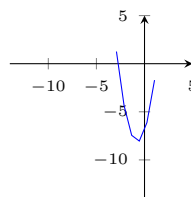
5. x intercept: 7 and -1
 y intercept: -7
 axis of symmetry: $x = 3$
 vertex: $(3, -16)$



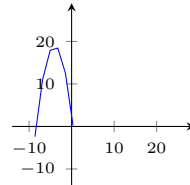
6. x intercept: no x intercept
 y intercept: -4
 axis of symmetry: $x = -\frac{5}{6}$
 vertex: $(-\frac{5}{6}, -\frac{23}{12})$



7. x intercept: $\frac{-3 \pm \sqrt{65}}{4}$
 y intercept: -7
 axis of symmetry: $x = -\frac{3}{4}$
 vertex: $(-\frac{3}{4}, -\frac{65}{8})$

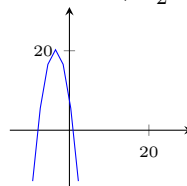


8. x intercept: $\frac{-8 \pm \sqrt{76}}{2}$
 y intercept: 3
 axis of symmetry: $x = -4$
 vertex: $(-4, 19)$



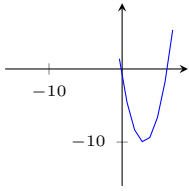
Document No. QFV2391054

1. x intercept: -8 and 1
 y intercept: 8
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{81}{4})$

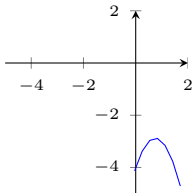


2. x intercept: $\frac{6 \pm \sqrt{40}}{2}$
 y intercept: -1

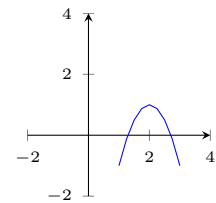
axis of symmetry: $x = 3$
 vertex: $(3, -10)$



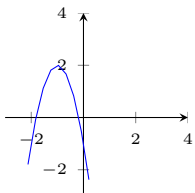
3. x intercept: no x intercept
 y intercept: -4
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, -\frac{23}{8})$



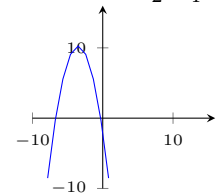
4. x intercept: $\frac{8 \pm \sqrt{8}}{4}$
 y intercept: -7
 axis of symmetry: $x = 2$
 vertex: $(2, 1)$



5. x intercept: $\frac{-6 \pm \sqrt{24}}{6}$
 y intercept: -1
 axis of symmetry: $x = -1$
 vertex: $(-1, 2)$

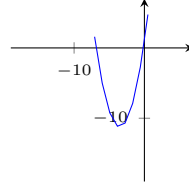


6. x intercept: $-\frac{13}{2}$ and $-\frac{1}{2}$
 y intercept: -2
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{41}{4})$

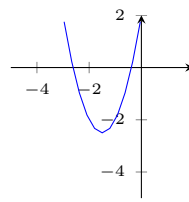


7. x intercept: $\frac{-7 \pm \sqrt{45}}{2}$

y intercept: 1
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{45}{4})$

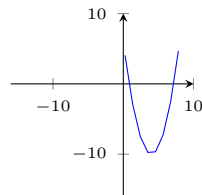


8. x intercept: $\frac{-6 \pm \sqrt{20}}{4}$
 y intercept: 2
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{5}{2})$

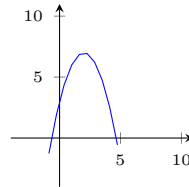


Document No. QFV2391055

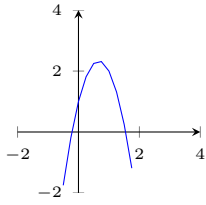
1. x intercept: $\frac{8 \pm \sqrt{40}}{2}$
 y intercept: 6
 axis of symmetry: $x = 4$
 vertex: $(4, -10)$



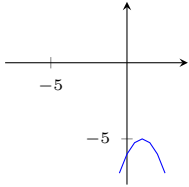
2. x intercept: $\frac{4 \pm \sqrt{28}}{2}$
 y intercept: 3
 axis of symmetry: $x = 2$
 vertex: $(2, 7)$



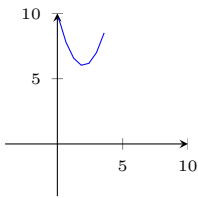
3. x intercept: $\frac{4 \pm \sqrt{28}}{6}$
 y intercept: 1
 axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, \frac{7}{3})$



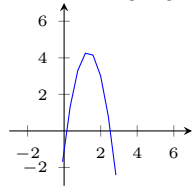
4. x intercept: no x intercept
 y intercept: -6
 axis of symmetry: $x = 1$
 vertex: $(1, -5)$



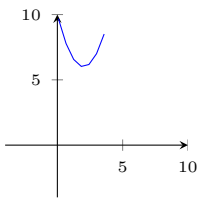
5. x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = 2$
 vertex: $(2, 6)$



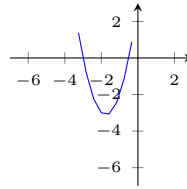
6. x intercept: $\frac{8 \pm \sqrt{52}}{6}$
 y intercept: -1
 axis of symmetry: $x = \frac{4}{3}$
 vertex: $(\frac{4}{3}, \frac{13}{3})$



7. x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = 2$
 vertex: $(2, 6)$

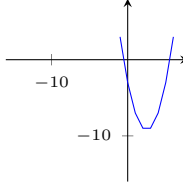


8. x intercept: $-\frac{1}{2}$ and -3
 y intercept: 3
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, -\frac{25}{8})$

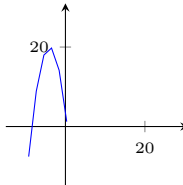


Document No. QFV2391056

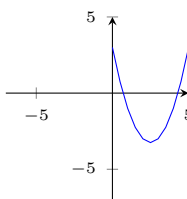
1. x intercept: $\frac{5 \pm \sqrt{37}}{2}$
 y intercept: -3
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{37}{4})$



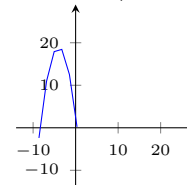
2. x intercept: $\frac{-8 \pm \sqrt{80}}{2}$
 y intercept: 4
 axis of symmetry: $x = -4$
 vertex: $(-4, 20)$



3. x intercept: $\frac{5 \pm \sqrt{13}}{2}$
 y intercept: 3
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{13}{4})$

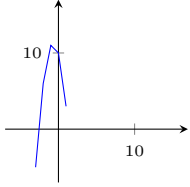


4. x intercept: $\frac{-8 \pm \sqrt{76}}{2}$
 y intercept: 3
 axis of symmetry: $x = -4$
 vertex: $(-4, 19)$



5. x intercept: $-\frac{5}{2}$ and $\frac{7}{6}$
 y intercept: 10
 axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, \frac{34}{3})$

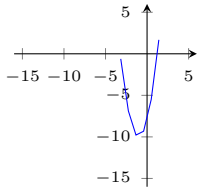


6. x intercept: $\frac{-4 \pm \sqrt{80}}{4}$

y intercept: -8

axis of symmetry: $x = -1$

vertex: $(-1, -10)$

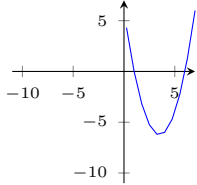


7. x intercept: 6 and 1

y intercept: 6

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{25}{4})$

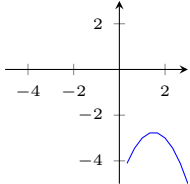


8. x intercept: no x intercept

y intercept: -5

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{11}{4})$



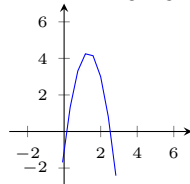
Document No. QFV2391057

1. x intercept: $\frac{8 \pm \sqrt{52}}{6}$

y intercept: -1

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, \frac{13}{3})$

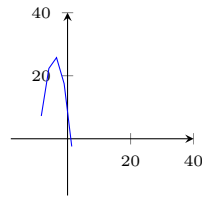


2. x intercept: $\frac{-8 \pm \sqrt{104}}{2}$

y intercept: 10

axis of symmetry: $x = -4$

vertex: $(-4, 26)$

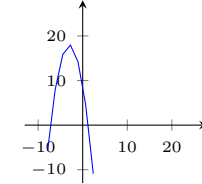


3. x intercept: $\frac{-6 \pm \sqrt{72}}{2}$

y intercept: 9

axis of symmetry: $x = -3$

vertex: $(-3, 18)$

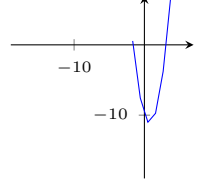


4. x intercept: $\frac{3 \pm \sqrt{89}}{4}$

y intercept: -10

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, -\frac{89}{8})$

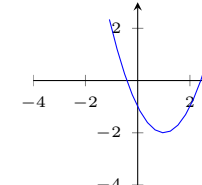


5. x intercept: $\frac{2 \pm \sqrt{8}}{2}$

y intercept: -1

axis of symmetry: $x = 1$

vertex: $(1, -2)$

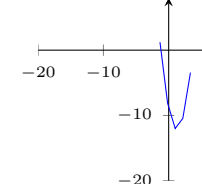


6. x intercept: $\frac{5 \pm \sqrt{97}}{4}$

y intercept: -9

axis of symmetry: $x = \frac{5}{4}$

vertex: $(\frac{5}{4}, -\frac{97}{8})$

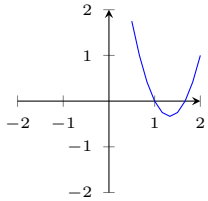


7. x intercept: $\frac{5}{3}$ and 1

y intercept:5

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{1}{3})$

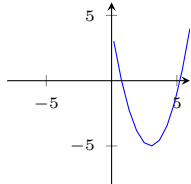


8.x intercept: $\frac{6 \pm \sqrt{20}}{2}$

y intercept:4

axis of symmetry: $x = 3$

vertex: $(3, -5)$



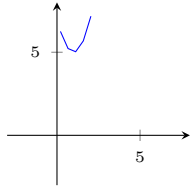
Document No. QFV2391058

1.x intercept: no x intercept

y intercept:7

axis of symmetry: $x = 1$

vertex: $(1, 5)$

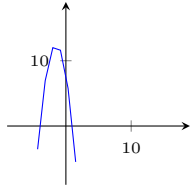


2.x intercept: -4 and 1

y intercept:8

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{25}{2})$

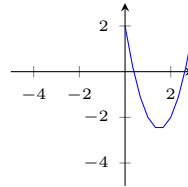


3.x intercept: $\frac{6 \pm \sqrt{20}}{4}$

y intercept:2

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{5}{2})$

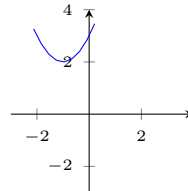


4.x intercept: no x intercept

y intercept:3

axis of symmetry: $x = -1$

vertex: $(-1, 2)$

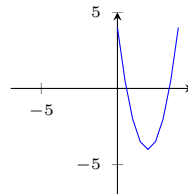


5.x intercept: $\frac{8 \pm \sqrt{32}}{4}$

y intercept:4

axis of symmetry: $x = 2$

vertex: $(2, -4)$

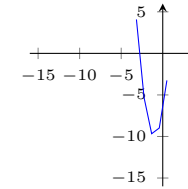


6.x intercept: $\frac{2}{3}$ and $-\frac{8}{3}$

y intercept:-7

axis of symmetry: $x = -1$

vertex: $(-1, -10)$

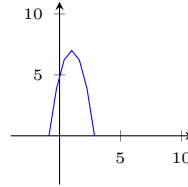


7.x intercept: $-\frac{3}{4}$ and $\frac{11}{4}$

y intercept:5

axis of symmetry: $x = 1$

vertex: $(1, 7)$

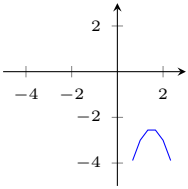


8.x intercept: no x intercept

y intercept:-7

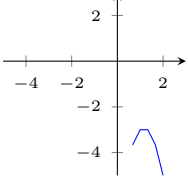
axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{5}{2})$

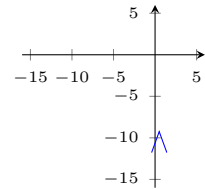


Document No. QFV2391059

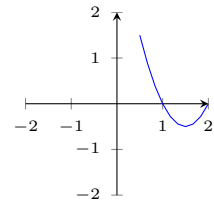
1. x intercept: no x intercept
 y intercept: -7
 axis of symmetry: $x = \frac{7}{6}$
 vertex: $(\frac{7}{6}, -\frac{35}{12})$



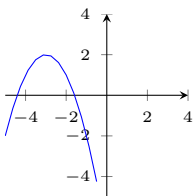
2. x intercept: no x intercept
 y intercept: -10
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{37}{4})$



3. x intercept: 2 and 1
 y intercept: 4
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{1}{2})$

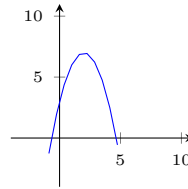


4. x intercept: $\frac{-6 \pm \sqrt{8}}{2}$
 y intercept: -7
 axis of symmetry: $x = -3$
 vertex: (-3, 2)

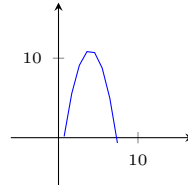


5. x intercept: $\frac{4 \pm \sqrt{28}}{2}$
 y intercept: 3

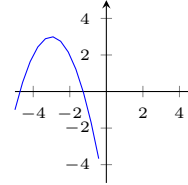
axis of symmetry: $x = 2$
 vertex: (2, 7)



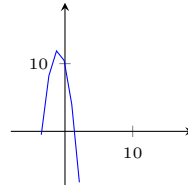
6. x intercept: 1 and 7
 y intercept: -5
 axis of symmetry: $x = 4$
 vertex: (4, 11)



7. x intercept: $\frac{-6 \pm \sqrt{12}}{2}$
 y intercept: -6
 axis of symmetry: $x = -3$
 vertex: (-3, 3)

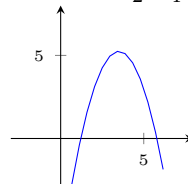


8. x intercept: $\frac{-4 \pm \sqrt{96}}{4}$
 y intercept: 10
 axis of symmetry: $x = -1$
 vertex: (-1, 12)



Document No. QFV2391060

1. x intercept: $\frac{3}{2}$ and $\frac{11}{2}$
 y intercept: -7
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{21}{4})$

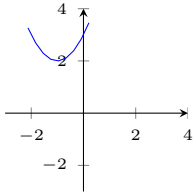


2. x intercept: no x intercept

y intercept:3

axis of symmetry: $x = -1$

vertex: $(-1, 2)$

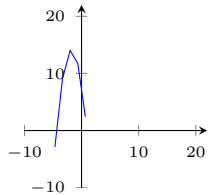


3.x intercept: $\frac{-7 \pm \sqrt{113}}{4}$

y intercept:8

axis of symmetry: $x = -\frac{7}{4}$

vertex: $(-\frac{7}{4}, \frac{113}{8})$

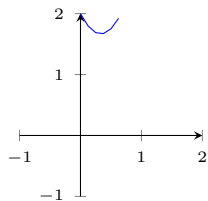


4.x intercept: no x intercept

y intercept:2

axis of symmetry: $x = \frac{1}{3}$

vertex: $(\frac{1}{3}, \frac{5}{3})$

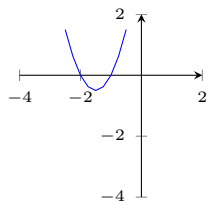


5.x intercept: -1 and -2

y intercept:4

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{1}{2})$

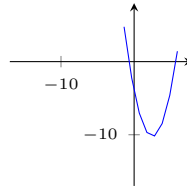


6.x intercept: $\frac{11}{2}$ and $-\frac{1}{2}$

y intercept:-4

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{41}{4})$

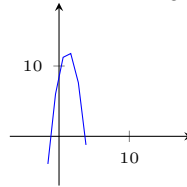


7.x intercept: $\frac{5 \pm \sqrt{97}}{4}$

y intercept:9

axis of symmetry: $x = \frac{5}{4}$

vertex: $(\frac{5}{4}, \frac{97}{8})$

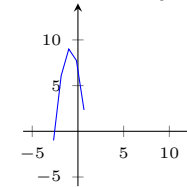


8.x intercept: $\frac{-5 \pm \sqrt{109}}{6}$

y intercept:7

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{109}{12})$



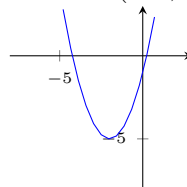
Document No. QFV2391061

1.x intercept: $\frac{-4 \pm \sqrt{20}}{2}$

y intercept:-1

axis of symmetry: $x = -2$

vertex: $(-2, -5)$

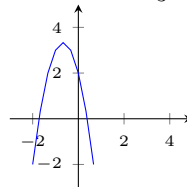


2.x intercept: $\frac{-4 \pm \sqrt{40}}{6}$

y intercept:2

axis of symmetry: $x = -\frac{2}{3}$

vertex: $(-\frac{2}{3}, \frac{10}{3})$

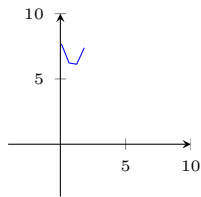


3.x intercept: no x intercept

y intercept:8

axis of symmetry: $x = 1$

vertex: $(1, 6)$

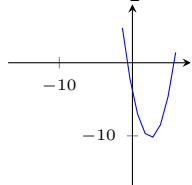


4. x intercept: $\frac{11}{2}$ and $-\frac{1}{2}$

y intercept: -4

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{41}{4})$

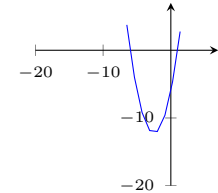


5. x intercept: 1 and -6

y intercept: -6

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{49}{4})$

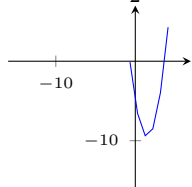


6. x intercept: $\frac{6 \pm \sqrt{76}}{4}$

y intercept: -5

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{19}{4})$

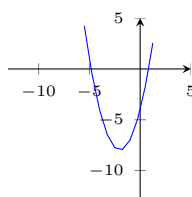


7. x intercept: $\frac{-4 \pm \sqrt{32}}{2}$

y intercept: -4

axis of symmetry: $x = -2$

vertex: $(-2, -8)$

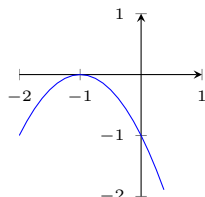


8. x intercept: -1

y intercept: -1

axis of symmetry: $x = -1$

vertex: $(-1, 0)$



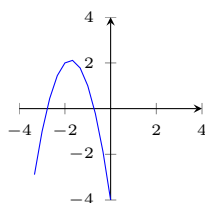
Document No. QFV2391062

1. x intercept: $-\frac{11}{4}$ and $-\frac{3}{4}$

y intercept: -4

axis of symmetry: $x = -\frac{7}{4}$

vertex: $(-\frac{7}{4}, \frac{17}{8})$

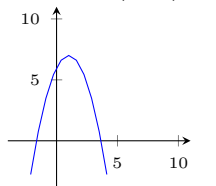


2. x intercept: $\frac{2 \pm \sqrt{28}}{2}$

y intercept: 6

axis of symmetry: $x = 1$

vertex: $(1, 7)$

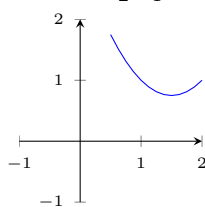


3. x intercept: no x intercept

y intercept: 3

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{3}{4})$

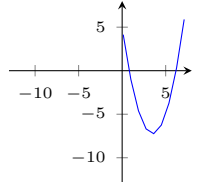


4. x intercept: $\frac{7 \pm \sqrt{29}}{2}$

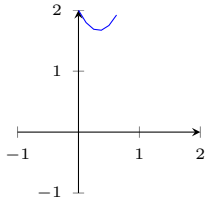
y intercept: 5

axis of symmetry: $x = \frac{7}{2}$

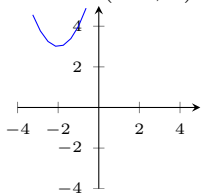
vertex: $(\frac{7}{2}, -\frac{29}{4})$



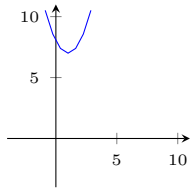
5.x intercept: no x intercept
 y intercept:2
 axis of symmetry: $x = \frac{1}{3}$
 vertex: $(\frac{1}{3}, \frac{5}{3})$



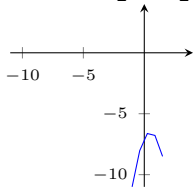
6.x intercept: no x intercept
 y intercept:7
 axis of symmetry: $x = -2$
 vertex: $(-2, 3)$



7.x intercept: no x intercept
 y intercept:8
 axis of symmetry: $x = 1$
 vertex: $(1, 7)$

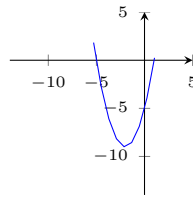


8.x intercept: no x intercept
 y intercept:-7
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{13}{2})$

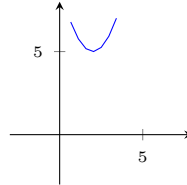


Document No. QFV2391063

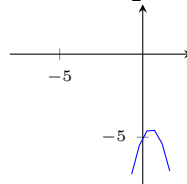
1.x intercept:1 and -5
 y intercept:-5
 axis of symmetry: $x = -2$
 vertex: $(-2, -9)$



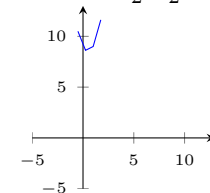
2.x intercept: no x intercept
 y intercept:9
 axis of symmetry: $x = 2$
 vertex: $(2, 5)$



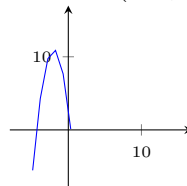
3.x intercept: no x intercept
 y intercept:-5
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{9}{2})$



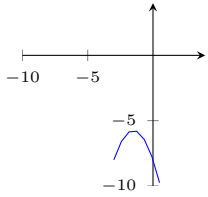
4.x intercept: no x intercept
 y intercept:9
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{17}{2})$



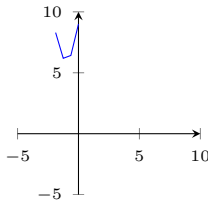
5.x intercept: $-\frac{17}{4}$ and $\frac{1}{4}$
 y intercept:3
 axis of symmetry: $x = -2$
 vertex: $(-2, 11)$



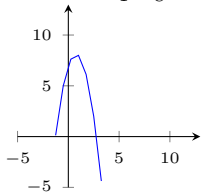
6.x intercept: no x intercept
 y intercept:-8
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{23}{4})$



7. x intercept: no x intercept
 y intercept: 9
 axis of symmetry: $x = -1$
 vertex: $(-1, 6)$

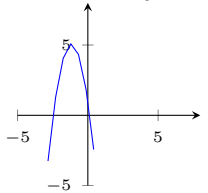


8. x intercept: $\frac{3 \pm \sqrt{65}}{4}$
 y intercept: 7
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, \frac{65}{8})$

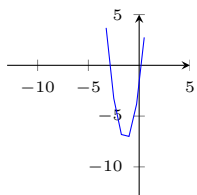


Document No. QFV2391064

1. x intercept: $\frac{-7 \pm \sqrt{61}}{6}$
 y intercept: 1
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, \frac{61}{12})$

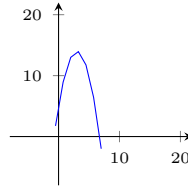


2. x intercept: $\frac{1}{6}$ and $-\frac{17}{6}$
 y intercept: -2
 axis of symmetry: $x = -\frac{4}{3}$
 vertex: $(-\frac{4}{3}, -\frac{22}{3})$

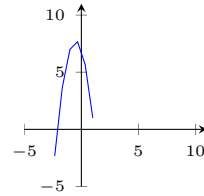


3. x intercept: $-\frac{1}{2}$ and $\frac{13}{2}$

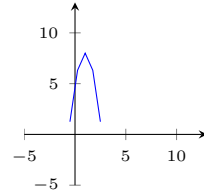
y intercept: 5
 axis of symmetry: $x = 3$
 vertex: $(3, 14)$



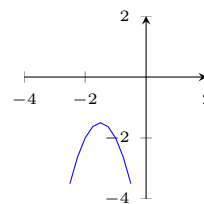
4. x intercept: -2 and 1
 y intercept: 7
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, \frac{31}{4})$



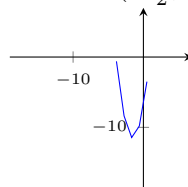
5. x intercept: $\frac{6 \pm \sqrt{96}}{6}$
 y intercept: 5
 axis of symmetry: $x = 1$
 vertex: $(1, 8)$



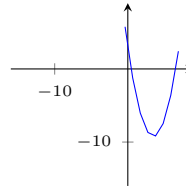
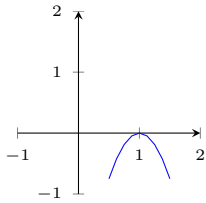
6. x intercept: no x intercept
 y intercept: -6
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{3}{2})$



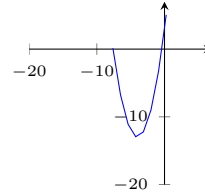
7. x intercept: $\frac{-6 \pm \sqrt{92}}{4}$
 y intercept: -7
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{23}{2})$



8.x intercept:1
 y intercept:-3
 axis of symmetry: $x = 1$
 vertex: $(1, 0)$

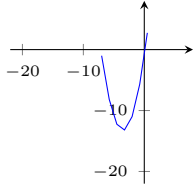


5.x intercept: $\frac{-8 \pm \sqrt{52}}{2}$
 y intercept:3
 axis of symmetry: $x = -4$
 vertex: $(-4, -13)$

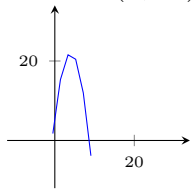


Document No. QFV2391065

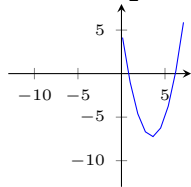
1.x intercept:0 and -7
 y intercept:-1
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{53}{4})$



2.x intercept: $-\frac{1}{2}$ and $\frac{17}{2}$
 y intercept:6
 axis of symmetry: $x = 4$
 vertex: $(4, 22)$

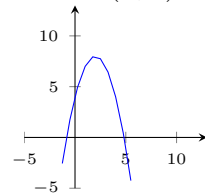


3.x intercept: $\frac{7 \pm \sqrt{29}}{2}$
 y intercept:5
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{29}{4})$

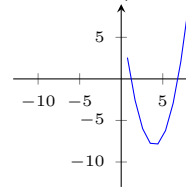


4.x intercept: $\frac{7 \pm \sqrt{37}}{2}$
 y intercept:3
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{37}{4})$

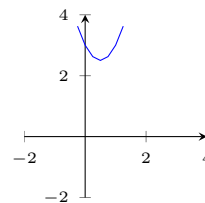
6.x intercept: $\frac{4 \pm \sqrt{32}}{2}$
 y intercept:4
 axis of symmetry: $x = 2$
 vertex: $(2, 8)$



7.x intercept: $\frac{8 \pm \sqrt{32}}{2}$
 y intercept:8
 axis of symmetry: $x = 4$
 vertex: $(4, -8)$



8.x intercept: no x intercept
 y intercept:3
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{5}{2})$

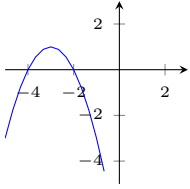


Document No. QFV2391066

1.x intercept: -4 and -2
 y intercept:-8

axis of symmetry: $x = -3$

vertex: $(-3, 1)$

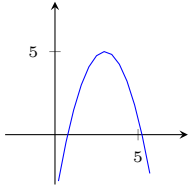


2.x intercept: $\frac{6 \pm \sqrt{20}}{2}$

y intercept: -4

axis of symmetry: $x = 3$

vertex: $(3, 5)$

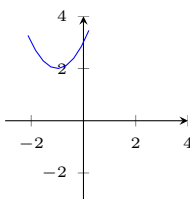


3.x intercept: no x intercept

y intercept: 3

axis of symmetry: $x = -1$

vertex: $(-1, 2)$

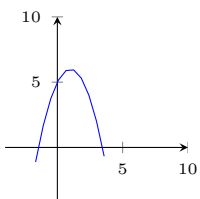


4.x intercept: $\frac{2 \pm \sqrt{24}}{2}$

y intercept: 5

axis of symmetry: $x = 1$

vertex: $(1, 6)$

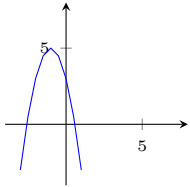


5.x intercept: $\frac{-4 \pm \sqrt{40}}{4}$

y intercept: 3

axis of symmetry: $x = -1$

vertex: $(-1, 5)$

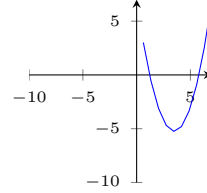


6.x intercept: $\frac{11}{2}$ and $\frac{3}{2}$

y intercept: 7

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{21}{4})$

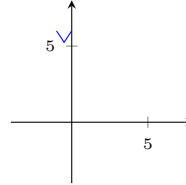


7.x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, \frac{21}{4})$

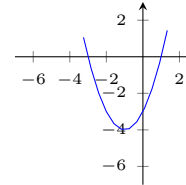


8.x intercept: 1 and -3

y intercept: -3

axis of symmetry: $x = -1$

vertex: $(-1, -4)$



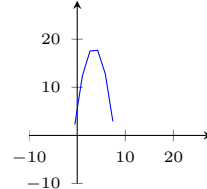
Document No. QFV2391067

1.x intercept: $\frac{7 \pm \sqrt{73}}{2}$

y intercept: 6

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{73}{4})$

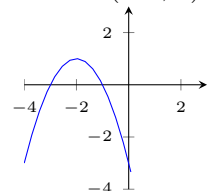


2.x intercept: -3 and -1

y intercept: -3

axis of symmetry: $x = -2$

vertex: $(-2, 1)$

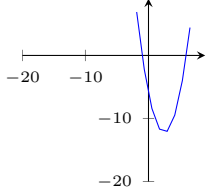


3.x intercept: 6 and -1

y intercept:-6

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{49}{4})$

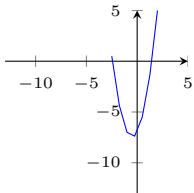


4.x intercept: $\frac{-2 \pm \sqrt{60}}{4}$

y intercept:-7

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, -\frac{15}{2})$

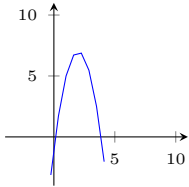


5.x intercept: $\frac{1}{4}$ and $\frac{15}{4}$

y intercept:-1

axis of symmetry: $x = 2$

vertex: (2, 7)

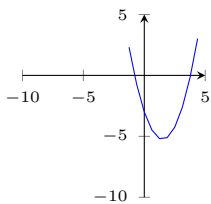


6.x intercept: $\frac{7}{2}$ and $-\frac{1}{2}$

y intercept:-3

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{21}{4})$

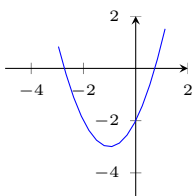


7.x intercept: $\frac{-2 \pm \sqrt{12}}{2}$

y intercept:-2

axis of symmetry: $x = -1$

vertex: (-1, -3)

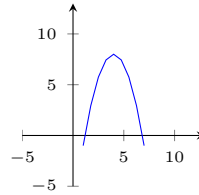


8.x intercept: $\frac{8 \pm \sqrt{32}}{2}$

y intercept:-8

axis of symmetry: $x = 4$

vertex: (4, 8)



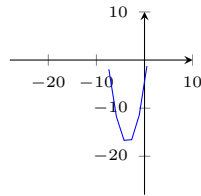
Document No. QFV2391068

1.x intercept: $\frac{1}{2}$ and $-\frac{15}{2}$

y intercept:-5

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, -\frac{69}{4})$

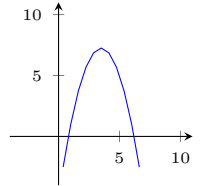


2.x intercept: $\frac{7 \pm \sqrt{29}}{2}$

y intercept:-5

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{29}{4})$

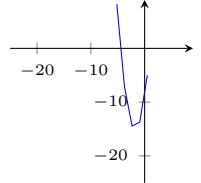


3.x intercept: 1 and $-\frac{9}{2}$

y intercept:-9

axis of symmetry: $x = -\frac{7}{4}$

vertex: $(-\frac{7}{4}, -\frac{121}{8})$

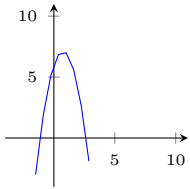


4.x intercept: -1 and $\frac{5}{2}$

y intercept:6

axis of symmetry: $x = \frac{3}{4}$

vertex: $(\frac{3}{4}, \frac{57}{8})$

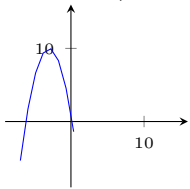


5. x intercept: $\frac{-6 \pm \sqrt{40}}{2}$

y intercept: 1

axis of symmetry: $x = -3$

vertex: $(-3, 10)$

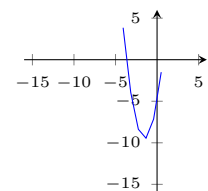


6. x intercept: $\frac{-6 \pm \sqrt{76}}{4}$

y intercept: -5

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{19}{2})$

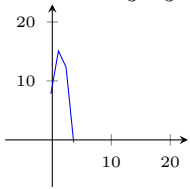


7. x intercept: $-\frac{5}{6}$ and $\frac{7}{2}$

y intercept: 10

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, \frac{46}{3})$

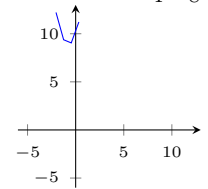


8. x intercept: no x intercept

y intercept: 10

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, \frac{71}{8})$



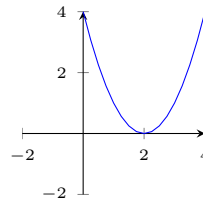
Document No. QFV2391069

1. x intercept: 2

y intercept: 4

axis of symmetry: $x = 2$

vertex: $(2, 0)$

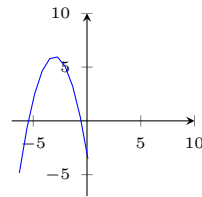


2. x intercept: $\frac{-6 \pm \sqrt{24}}{2}$

y intercept: -3

axis of symmetry: $x = -3$

vertex: $(-3, 6)$

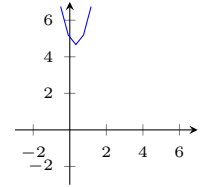


3. x intercept: no x intercept

y intercept: 5

axis of symmetry: $x = \frac{1}{3}$

vertex: $(\frac{1}{3}, \frac{14}{3})$

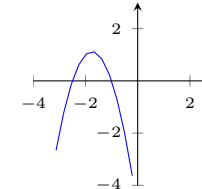


4. x intercept: $-\frac{5}{2}$ and -1

y intercept: -5

axis of symmetry: $x = -\frac{7}{4}$

vertex: $(-\frac{7}{4}, \frac{9}{8})$

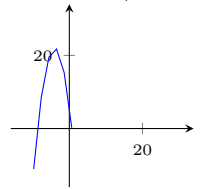


5. x intercept: $-\frac{17}{2}$ and $\frac{1}{2}$

y intercept: 6

axis of symmetry: $x = -4$

vertex: $(-4, 22)$

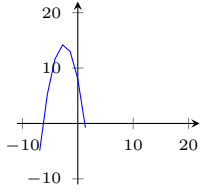


6. x intercept: -6 and 1

y intercept: 8

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{57}{4})$

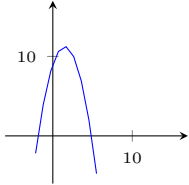


7.x intercept: $\frac{3 \pm \sqrt{45}}{2}$

y intercept: 9

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{45}{4})$

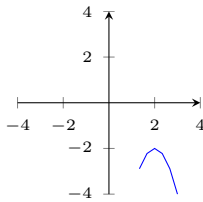


8.x intercept: no x intercept

y intercept: -10

axis of symmetry: $x = 2$

vertex: $(2, -2)$



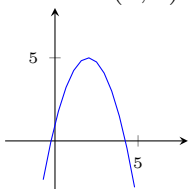
Document No. QFV2391070

1.x intercept: $\frac{4 \pm \sqrt{20}}{2}$

y intercept: 1

axis of symmetry: $x = 2$

vertex: $(2, 5)$

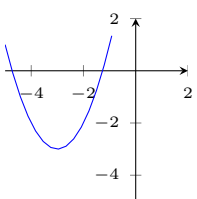


2.x intercept: $\frac{-6 \pm \sqrt{12}}{2}$

y intercept: 6

axis of symmetry: $x = -3$

vertex: $(-3, -3)$

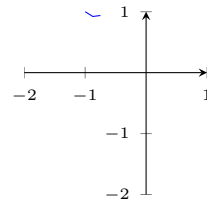


3.x intercept: no x intercept

y intercept: 3

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{11}{12})$

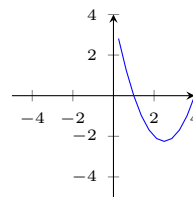


4.x intercept: 4 and 1

y intercept: 4

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{9}{4})$

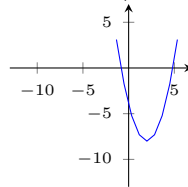


5.x intercept: $\frac{4 \pm \sqrt{32}}{2}$

y intercept: -4

axis of symmetry: $x = 2$

vertex: $(2, -8)$

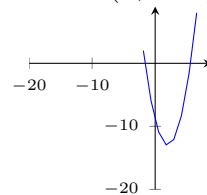


6.x intercept: $\frac{4 \pm \sqrt{52}}{2}$

y intercept: -9

axis of symmetry: $x = 2$

vertex: $(2, -13)$

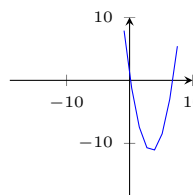


7.x intercept: $\frac{7 \pm \sqrt{45}}{2}$

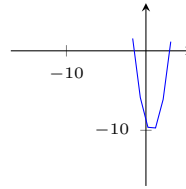
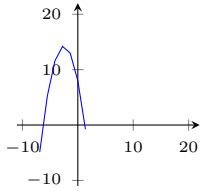
y intercept: 1

axis of symmetry: $x = \frac{7}{2}$

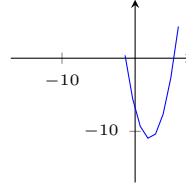
vertex: $(\frac{7}{2}, -\frac{45}{4})$



8.x intercept: -6 and 1
 y intercept: 8
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{57}{4})$

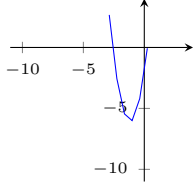


5.x intercept: 5 and -1
 y intercept: -7
 axis of symmetry: $x = 2$
 vertex: $(2, -11)$

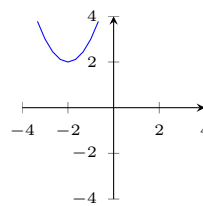


Document No. QFV2391071

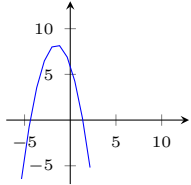
1.x intercept: $\frac{-7 \pm \sqrt{73}}{6}$
 y intercept: -2
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, -\frac{73}{12})$



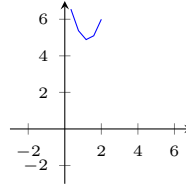
6.x intercept: no x intercept
 y intercept: 6
 axis of symmetry: $x = -2$
 vertex: $(-2, 2)$



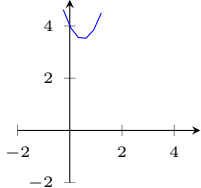
2.x intercept: -4 and 1
 y intercept: 6
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{33}{4})$



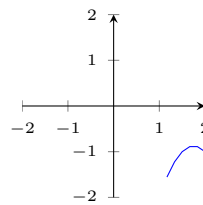
7.x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{39}{8})$



3.x intercept: no x intercept
 y intercept: 4
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{7}{2})$



8.x intercept: no x intercept
 y intercept: -7
 axis of symmetry: $x = \frac{7}{4}$
 vertex: $(\frac{7}{4}, -\frac{7}{8})$

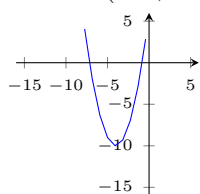


4.x intercept: 3 and $-\frac{3}{2}$
 y intercept: -9
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, -\frac{81}{8})$

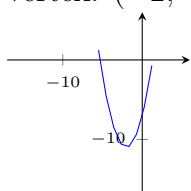
Document No. QFV2391072

1.x intercept: $\frac{-8 \pm \sqrt{40}}{2}$
 y intercept: 6

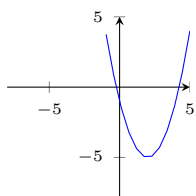
axis of symmetry: $x = -4$
 vertex: $(-4, -10)$



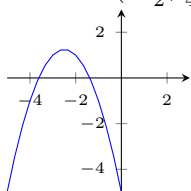
2. x intercept: 1 and -5
 y intercept: -7
 axis of symmetry: $x = -2$
 vertex: $(-2, -11)$



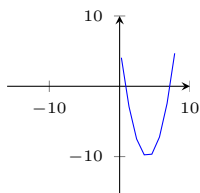
3. x intercept: $\frac{4 \pm \sqrt{20}}{2}$
 y intercept: -1
 axis of symmetry: $x = 2$
 vertex: $(2, -5)$



4. x intercept: $\frac{-5 \pm \sqrt{5}}{2}$
 y intercept: -5
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{5}{4})$

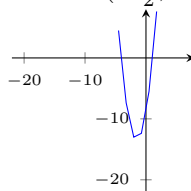


5. x intercept: $\frac{8 \pm \sqrt{40}}{2}$
 y intercept: 6
 axis of symmetry: $x = 4$
 vertex: $(4, -10)$

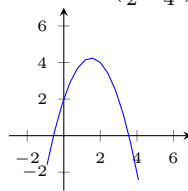


6. x intercept: 1 and -4
 y intercept: -9

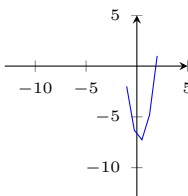
axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{27}{2})$



7. x intercept: $-\frac{1}{2}$ and $\frac{7}{2}$
 y intercept: 2
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{17}{4})$

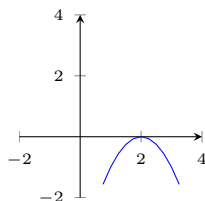


8. x intercept: $\frac{11}{6}$ and $-\frac{7}{6}$
 y intercept: -7
 axis of symmetry: $x = \frac{1}{3}$
 vertex: $(\frac{1}{3}, -\frac{22}{3})$

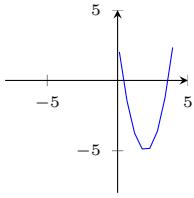


Document No. QFV2391073

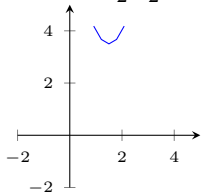
1. x intercept: 2
 y intercept: -4
 axis of symmetry: $x = 2$
 vertex: $(2, 0)$



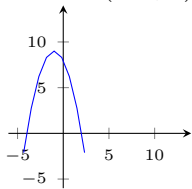
2. x intercept: $\frac{8 \pm \sqrt{40}}{4}$
 y intercept: 3
 axis of symmetry: $x = 2$
 vertex: $(2, -5)$



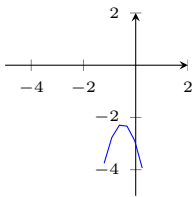
3. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{7}{2})$



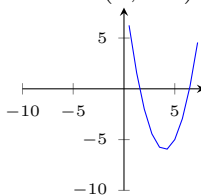
4. x intercept: -4 and 2
 y intercept: 8
 axis of symmetry: $x = -1$
 vertex: (-1, 9)



5. x intercept: no x intercept
 y intercept: -3
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, -\frac{9}{4})$

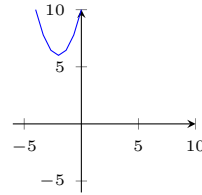


6. x intercept: $\frac{8 \pm \sqrt{24}}{2}$
 y intercept: 10
 axis of symmetry: $x = 4$
 vertex: (4, -6)

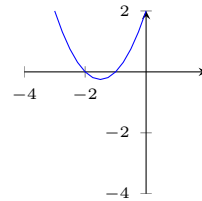


7. x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = -2$

vertex: (-2, 6)

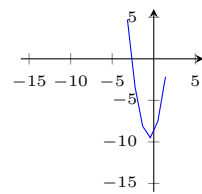


8. x intercept: -1 and -2
 y intercept: 2
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{1}{4})$

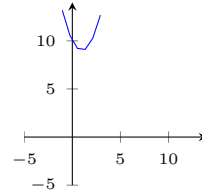


Document No. QFV2391074

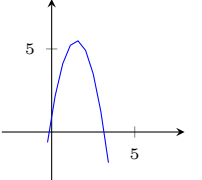
1. x intercept: $\frac{-2 \pm \sqrt{76}}{4}$
 y intercept: -9
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, -\frac{19}{2})$



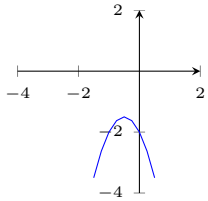
2. x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = 1$
 vertex: (1, 9)



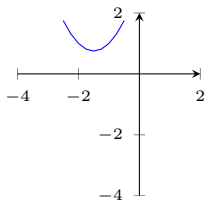
3. x intercept: 0 and 3
 y intercept: 1
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{11}{2})$



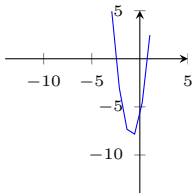
4. x intercept: no x intercept
 y intercept: -2
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, -\frac{3}{2})$



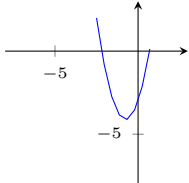
5. x intercept: no x intercept
 y intercept: 3
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{3}{4})$



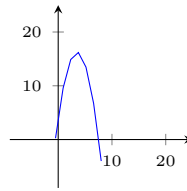
6. x intercept: $\frac{-5 \pm \sqrt{97}}{6}$
 y intercept: -6
 axis of symmetry: $x = -\frac{5}{6}$
 vertex: $(-\frac{5}{6}, -\frac{97}{12})$



7. x intercept: $\frac{1}{2}$ and -2
 y intercept: -3
 axis of symmetry: $x = -\frac{3}{4}$
 vertex: $(-\frac{3}{4}, -\frac{33}{8})$

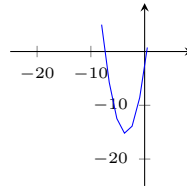


8. x intercept: $\frac{7 \pm \sqrt{65}}{2}$
 y intercept: 4
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{65}{4})$

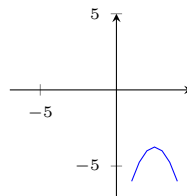


Document No. QFV2391075

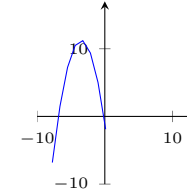
1. x intercept: $\frac{-7 \pm \sqrt{61}}{2}$
 y intercept: -3
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{61}{4})$



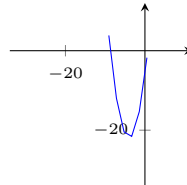
2. x intercept: no x intercept
 y intercept: -10
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{15}{4})$



3. x intercept: $\frac{-7 \pm \sqrt{45}}{2}$
 y intercept: -1
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{45}{4})$

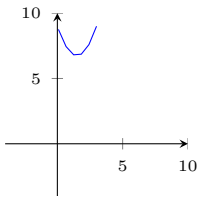


4. x intercept: $\frac{1}{2}$ and $-\frac{17}{2}$
 y intercept: -6
 axis of symmetry: $x = -4$
 vertex: $(-4, -22)$



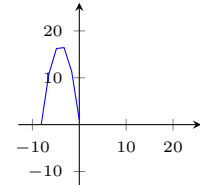
5. x intercept: no x intercept
 y intercept: 9

axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{27}{4})$

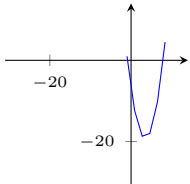


6.x intercept: -8 and 0

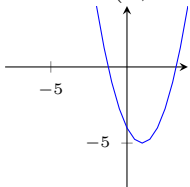
y intercept: 1
 axis of symmetry: $x = -4$
 vertex: $(-4, 17)$



7.x intercept: $\frac{7 \pm \sqrt{77}}{2}$
 y intercept: -7
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{77}{4})$

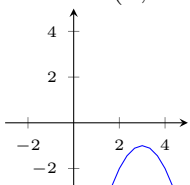


8.x intercept: $\frac{2 \pm \sqrt{20}}{2}$
 y intercept: -4
 axis of symmetry: $x = 1$
 vertex: $(1, -5)$



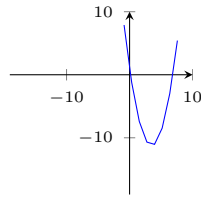
Document No. QFV2391076

1.x intercept: no x intercept
 y intercept: -10
 axis of symmetry: $x = 3$
 vertex: $(3, -1)$

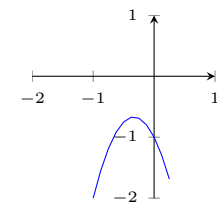


2.x intercept: $\frac{7 \pm \sqrt{45}}{2}$

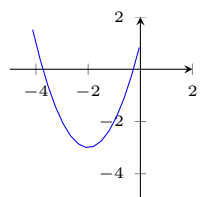
y intercept: 1
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{45}{4})$



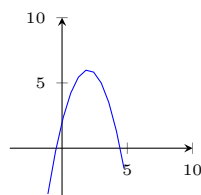
3.x intercept: no x intercept
 y intercept: -1
 axis of symmetry: $x = -\frac{1}{3}$
 vertex: $(-\frac{1}{3}, -\frac{2}{3})$



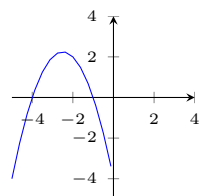
4.x intercept: $\frac{-4 \pm \sqrt{12}}{2}$
 y intercept: 1
 axis of symmetry: $x = -2$
 vertex: $(-2, -3)$



5.x intercept: $\frac{4 \pm \sqrt{24}}{2}$
 y intercept: 2
 axis of symmetry: $x = 2$
 vertex: $(2, 6)$



6.x intercept: -4 and -1
 y intercept: -4
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{9}{4})$

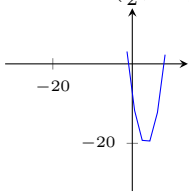


7.x intercept:8 and -1

y intercept:-8

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{81}{4})$

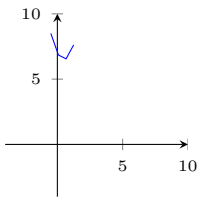


8.x intercept: no x intercept

y intercept:7

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{13}{2})$



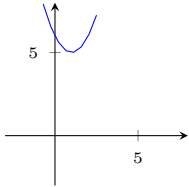
Document No. QFV2391077

1.x intercept: no x intercept

y intercept:6

axis of symmetry: $x = 1$

vertex: (1, 5)

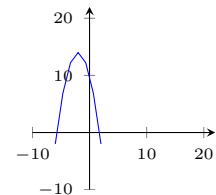


2.x intercept: $-\frac{11}{2}$ and $\frac{3}{2}$

y intercept:10

axis of symmetry: $x = -2$

vertex: (-2, 14)

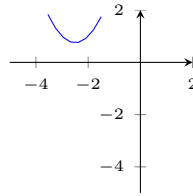


3.x intercept: no x intercept

y intercept:7

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{3}{4})$

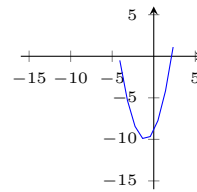


4.x intercept: $\frac{-2 \pm \sqrt{40}}{2}$

y intercept:-9

axis of symmetry: $x = -1$

vertex: (-1, -10)

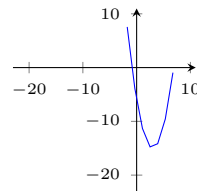


5.x intercept: $\frac{6 \pm \sqrt{60}}{2}$

y intercept:-6

axis of symmetry: $x = 3$

vertex: (3, -15)

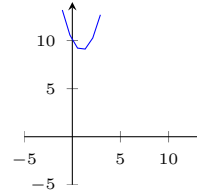


6.x intercept: no x intercept

y intercept:10

axis of symmetry: $x = 1$

vertex: (1, 9)

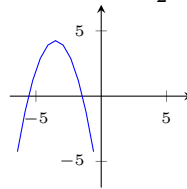


7.x intercept: $-\frac{11}{2}$ and $-\frac{3}{2}$

y intercept:-8

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, \frac{17}{4})$

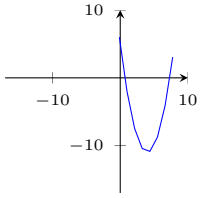


8.x intercept:7 and 1

y intercept:5

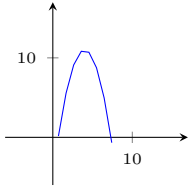
axis of symmetry: $x = 4$

vertex: (4, -11)

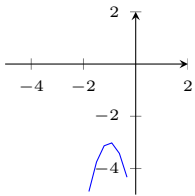


Document No. QFV2391078

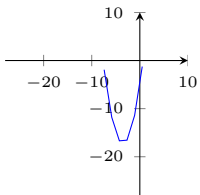
1.x intercept:1 and 7
 y intercept:-5
 axis of symmetry: $x = 4$
 vertex: (4, 11)



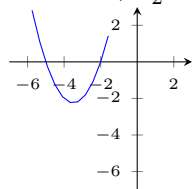
2.x intercept: no x intercept
 y intercept:-6
 axis of symmetry: $x = -1$
 vertex: (-1, -3)



3.x intercept: $\frac{1}{2}$ and $-\frac{15}{2}$
 y intercept:-5
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{69}{4})$

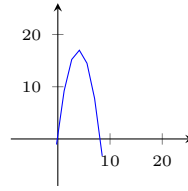


4.x intercept:-2 and -5
 y intercept:10
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{9}{4})$

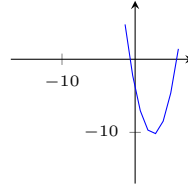


5.x intercept:0 and 8
 y intercept:1

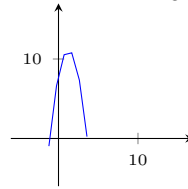
axis of symmetry: $x = 4$
 vertex: (4, 17)



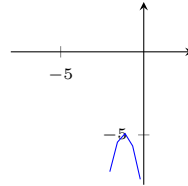
6.x intercept: $\frac{11}{2}$ and $-\frac{1}{2}$
 y intercept:-4
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{41}{4})$



7.x intercept: $\frac{5\pm\sqrt{89}}{4}$
 y intercept:8
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{89}{8})$

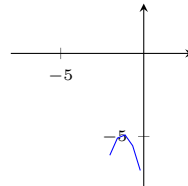


8.x intercept: no x intercept
 y intercept:-9
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, -\frac{59}{12})$



Document No. QFV2391079

1.x intercept: no x intercept
 y intercept:-8
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, -\frac{39}{8})$

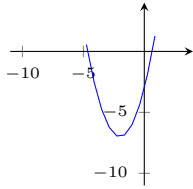


2.x intercept: $\frac{-4\pm\sqrt{28}}{2}$

y intercept:-3

axis of symmetry: $x = -2$

vertex: $(-2, -7)$

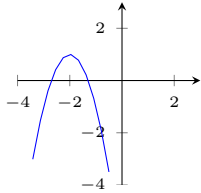


3.x intercept: $\frac{-8 \pm \sqrt{8}}{4}$

y intercept:-7

axis of symmetry: $x = -2$

vertex: $(-2, 1)$

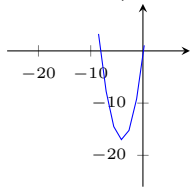


4.x intercept:0 and -8

y intercept:-1

axis of symmetry: $x = -4$

vertex: $(-4, -17)$

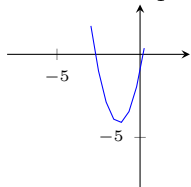


5.x intercept:0 and $-\frac{5}{2}$

y intercept:-1

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{33}{8})$

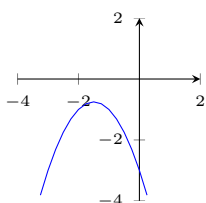


6.x intercept: no x intercept

y intercept:-3

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{3}{4})$

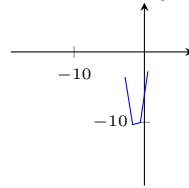


7.x intercept: $\frac{-7 \pm \sqrt{133}}{6}$

y intercept:-7

axis of symmetry: $x = -\frac{7}{6}$

vertex: $(-\frac{7}{6}, -\frac{133}{12})$

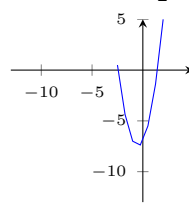


8.x intercept: $\frac{-2 \pm \sqrt{60}}{4}$

y intercept:-7

axis of symmetry: $x = -\frac{1}{2}$

vertex: $(-\frac{1}{2}, -\frac{15}{2})$



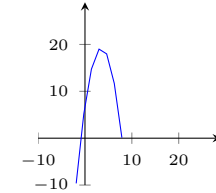
Document No. QFV2391080

1.x intercept: $\frac{7 \pm \sqrt{77}}{2}$

y intercept:7

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{77}{4})$

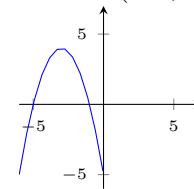


2.x intercept:-5 and -1

y intercept:-5

axis of symmetry: $x = -3$

vertex: $(-3, 4)$

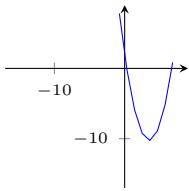


3.x intercept: $\frac{13}{2}$ and $\frac{1}{2}$

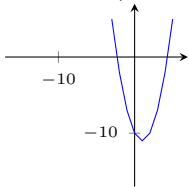
y intercept:2

axis of symmetry: $x = \frac{7}{2}$

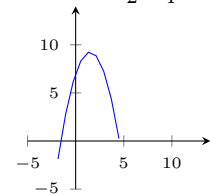
vertex: $(\frac{7}{2}, -\frac{41}{4})$



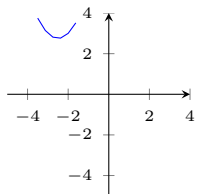
4. x intercept: 4 and -2
 y intercept: -10
 axis of symmetry: $x = 1$
 vertex: $(1, -11)$



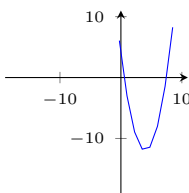
5. x intercept: $\frac{3 \pm \sqrt{37}}{2}$
 y intercept: 7
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{37}{4})$



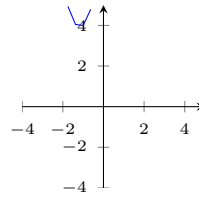
6. x intercept: no x intercept
 y intercept: 9
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{11}{4})$



7. x intercept: $\frac{8 \pm \sqrt{48}}{2}$
 y intercept: 4
 axis of symmetry: $x = 4$
 vertex: $(4, -12)$

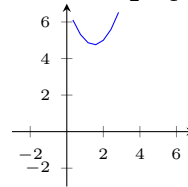


8. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = -\frac{7}{6}$
 vertex: $(-\frac{7}{6}, \frac{47}{12})$

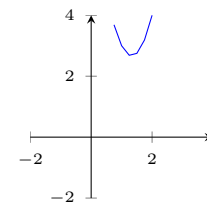


Document No. QFV2391081

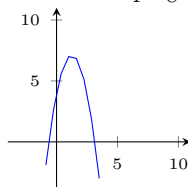
1. x intercept: no x intercept
 y intercept: 7
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{19}{4})$



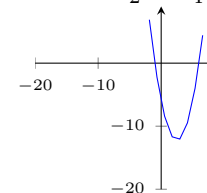
2. x intercept: no x intercept
 y intercept: 8
 axis of symmetry: $x = \frac{4}{3}$
 vertex: $(\frac{4}{3}, \frac{8}{3})$



3. x intercept: $-\frac{1}{2}$ and 3
 y intercept: 4
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{57}{8})$

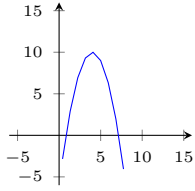


4. x intercept: 6 and -1
 y intercept: -6
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{49}{4})$

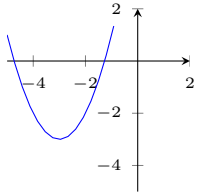


5. x intercept: $\frac{8 \pm \sqrt{40}}{2}$

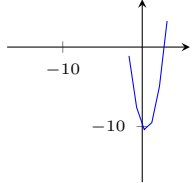
y intercept:-6
 axis of symmetry: $x = 4$
 vertex: (4, 10)



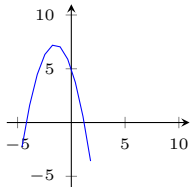
6.x intercept: $\frac{-6 \pm \sqrt{12}}{2}$
 y intercept:6
 axis of symmetry: $x = -3$
 vertex: (-3, -3)



7.x intercept: $\frac{11}{4}$ and $-\frac{7}{4}$
 y intercept:-10
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{21}{2})$

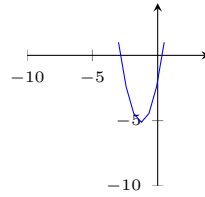


8.x intercept: $\frac{-3 \pm \sqrt{29}}{2}$
 y intercept:5
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{29}{4})$

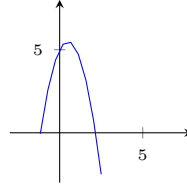


Document No. QFV2391082

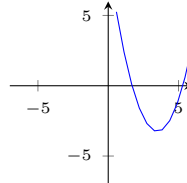
1.x intercept: $\frac{1}{4}$ and $-\frac{11}{4}$
 y intercept:-2
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, -\frac{41}{8})$



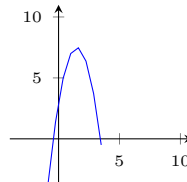
2.x intercept:-1 and 2
 y intercept:5
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{11}{2})$



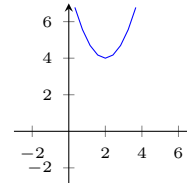
3.x intercept: $\frac{7 \pm \sqrt{13}}{2}$
 y intercept:9
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{13}{4})$



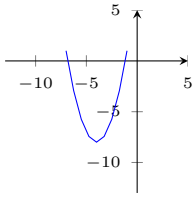
4.x intercept: $\frac{6 \pm \sqrt{60}}{4}$
 y intercept:3
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{15}{2})$



5.x intercept: no x intercept
 y intercept:8
 axis of symmetry: $x = 2$
 vertex: (2, 4)



6.x intercept: $\frac{-8 \pm \sqrt{32}}{2}$
 y intercept:8
 axis of symmetry: $x = -4$
 vertex: (-4, -8)

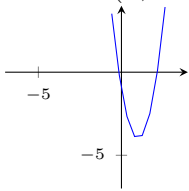


7.x intercept: $\frac{6 \pm \sqrt{48}}{6}$

y intercept: -1

axis of symmetry: $x = 1$

vertex: $(1, -4)$

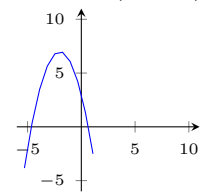


8.x intercept: $\frac{-4 \pm \sqrt{28}}{2}$

y intercept: 3

axis of symmetry: $x = -2$

vertex: $(-2, 7)$



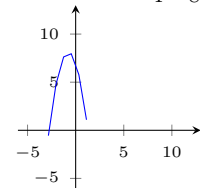
Document No. QFV2391083

1.x intercept: $\frac{-3 \pm \sqrt{65}}{4}$

y intercept: 7

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, \frac{65}{8})$

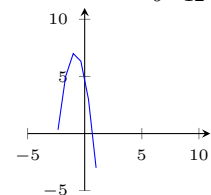


2.x intercept: $-\frac{7}{3}$ and $\frac{2}{3}$

y intercept: 5

axis of symmetry: $x = -\frac{5}{6}$

vertex: $(-\frac{5}{6}, \frac{85}{12})$

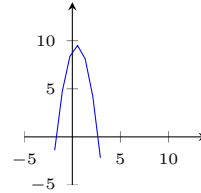


3.x intercept: $\frac{2 \pm \sqrt{76}}{4}$

y intercept: 9

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, \frac{19}{2})$

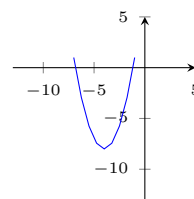


4.x intercept: $\frac{-8 \pm \sqrt{32}}{2}$

y intercept: 8

axis of symmetry: $x = -4$

vertex: $(-4, -8)$

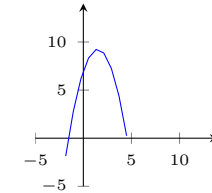


5.x intercept: $\frac{3 \pm \sqrt{37}}{2}$

y intercept: 7

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{37}{4})$

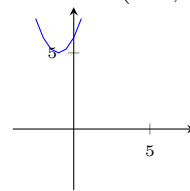


6.x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = -1$

vertex: $(-1, 5)$

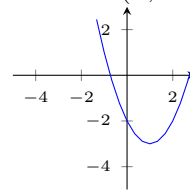


7.x intercept: $\frac{2 \pm \sqrt{12}}{2}$

y intercept: -2

axis of symmetry: $x = 1$

vertex: $(1, -3)$

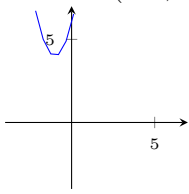


8.x intercept: no x intercept

y intercept: 6

axis of symmetry: $x = -1$

vertex: $(-1, 4)$



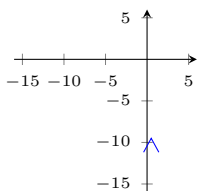
Document No. QFV2391084

1.x intercept: no x intercept

y intercept:-10

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, -\frac{19}{2})$

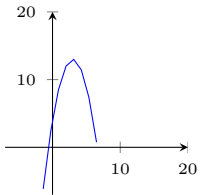


2.x intercept: $\frac{6 \pm \sqrt{52}}{2}$

y intercept:4

axis of symmetry: $x = 3$

vertex: $(3, 13)$

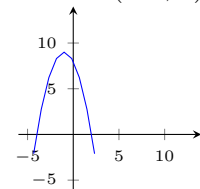


3.x intercept:-4 and 2

y intercept:8

axis of symmetry: $x = -1$

vertex: $(-1, 9)$

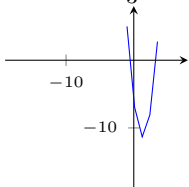


4.x intercept: $\frac{19}{6}$ and $-\frac{1}{2}$

y intercept:-6

axis of symmetry: $x = \frac{4}{3}$

vertex: $(\frac{4}{3}, -\frac{34}{3})$

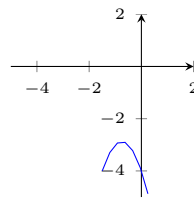


5.x intercept: no x intercept

y intercept:-4

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, -\frac{23}{8})$

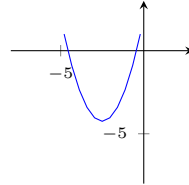


6.x intercept: $-\frac{1}{2}$ and $-\frac{9}{2}$

y intercept:2

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{17}{4})$

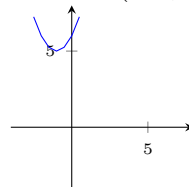


7.x intercept: no x intercept

y intercept:6

axis of symmetry: $x = -1$

vertex: $(-1, 5)$

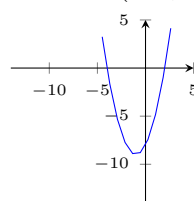


8.x intercept:2 and -4

y intercept:-8

axis of symmetry: $x = -1$

vertex: $(-1, -9)$



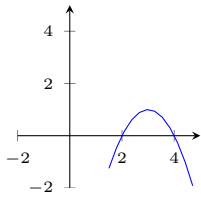
Document No. QFV2391085

1.x intercept:2 and 4

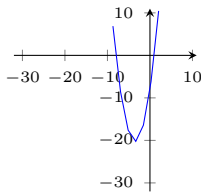
y intercept:-8

axis of symmetry: $x = 3$

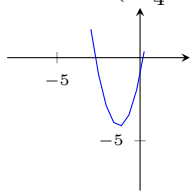
vertex: $(3, 1)$



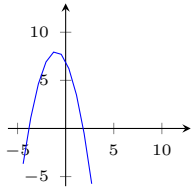
2. x intercept: 1 and -8
 y intercept: -8
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, -\frac{81}{4})$



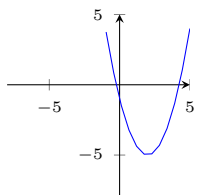
3. x intercept: 0 and $-\frac{5}{2}$
 y intercept: -1
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, -\frac{33}{8})$



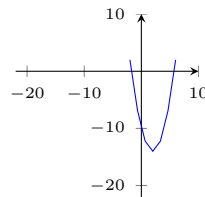
4. x intercept: $\frac{-2 \pm \sqrt{32}}{2}$
 y intercept: 7
 axis of symmetry: $x = -1$
 vertex: $(-1, 8)$



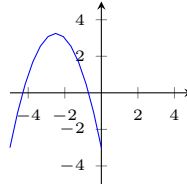
5. x intercept: $\frac{4 \pm \sqrt{20}}{2}$
 y intercept: -1
 axis of symmetry: $x = 2$
 vertex: $(2, -5)$



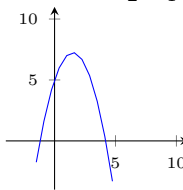
6. x intercept: $\frac{11}{2}$ and $-\frac{3}{2}$
 y intercept: -10
 axis of symmetry: $x = 2$
 vertex: $(2, -14)$



7. x intercept: $\frac{-5 \pm \sqrt{13}}{2}$
 y intercept: -3
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, \frac{13}{4})$

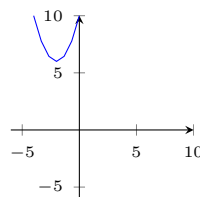


8. x intercept: $\frac{3 \pm \sqrt{29}}{2}$
 y intercept: 5
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{29}{4})$

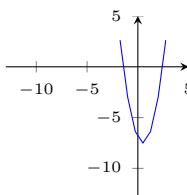


Document No. QFV2391086

1. x intercept: no x intercept
 y intercept: 10
 axis of symmetry: $x = -2$
 vertex: $(-2, 6)$



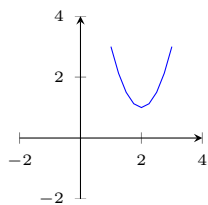
2. x intercept: $\frac{2 \pm \sqrt{60}}{4}$
 y intercept: -7
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{15}{2})$



3. x intercept: no x intercept
 y intercept: 9

axis of symmetry: $x = 2$

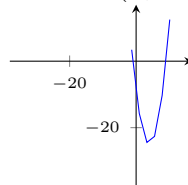
vertex: $(2, 1)$



y intercept: -9

axis of symmetry: $x = 4$

vertex: $(4, -25)$

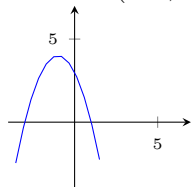


4. x intercept: -3 and 1

y intercept: 3

axis of symmetry: $x = -1$

vertex: $(-1, 4)$

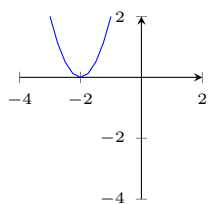


5. x intercept: -2

y intercept: 8

axis of symmetry: $x = -2$

vertex: $(-2, 0)$

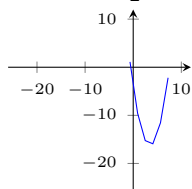


6. x intercept: $\frac{7 \pm \sqrt{65}}{2}$

y intercept: -4

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, -\frac{65}{4})$

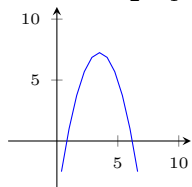


7. x intercept: $\frac{7 \pm \sqrt{29}}{2}$

y intercept: -5

axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{29}{4})$



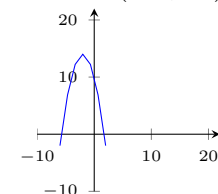
8. x intercept: 9 and -1

1. x intercept: $-\frac{11}{2}$ and $\frac{3}{2}$

y intercept: 10

axis of symmetry: $x = -2$

vertex: $(-2, 14)$

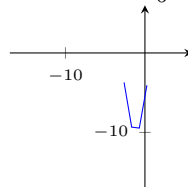


2. x intercept: $\frac{2}{3}$ and -3

y intercept: -6

axis of symmetry: $x = -\frac{7}{6}$

vertex: $(-\frac{7}{6}, -\frac{121}{12})$

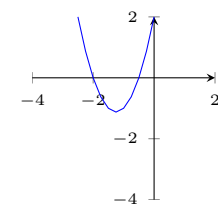


3. x intercept: $-\frac{1}{2}$ and -2

y intercept: 2

axis of symmetry: $x = -\frac{5}{4}$

vertex: $(-\frac{5}{4}, -\frac{9}{8})$

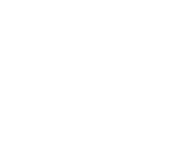


4. x intercept: no x intercept

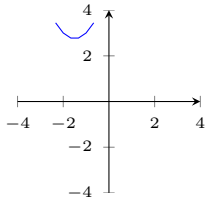
y intercept: 5

axis of symmetry: $x = -\frac{3}{2}$

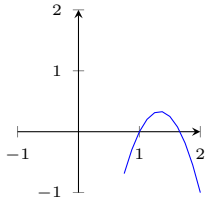
vertex: $(-\frac{3}{2}, \frac{11}{4})$



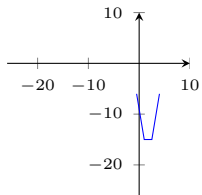
Document No. QFV2391087



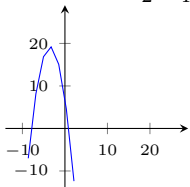
5. x intercept: 1 and $\frac{5}{3}$
 y intercept: -5
 axis of symmetry: $x = \frac{4}{3}$
 vertex: $(\frac{4}{3}, \frac{1}{3})$



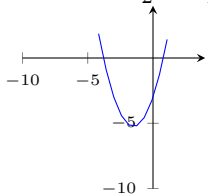
6. x intercept: $\frac{9}{2}$ and -1
 y intercept: -10
 axis of symmetry: $x = \frac{7}{4}$
 vertex: $(\frac{7}{4}, -\frac{129}{8})$



7. x intercept: $\frac{-7 \pm \sqrt{77}}{2}$
 y intercept: 7
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{77}{4})$



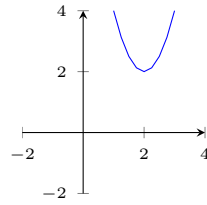
8. x intercept: $\frac{1}{2}$ and $-\frac{7}{2}$
 y intercept: -3
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{21}{4})$



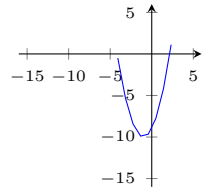
Document No. QFV2391088

1. x intercept: no x intercept

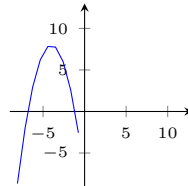
y intercept: 10
 axis of symmetry: $x = 2$
 vertex: (2, 2)



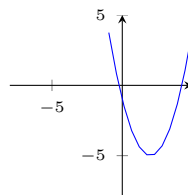
2. x intercept: $\frac{-2 \pm \sqrt{40}}{2}$
 y intercept: -9
 axis of symmetry: $x = -1$
 vertex: (-1, -10)



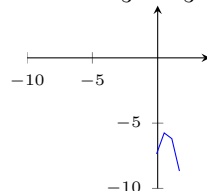
3. x intercept: $\frac{-8 \pm \sqrt{32}}{2}$
 y intercept: -8
 axis of symmetry: $x = -4$
 vertex: (-4, 8)



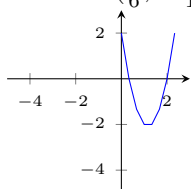
4. x intercept: $\frac{4 \pm \sqrt{20}}{2}$
 y intercept: -1
 axis of symmetry: $x = 2$
 vertex: (2, -5)



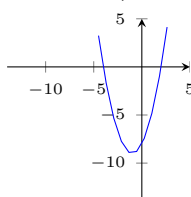
5. x intercept: no x intercept
 y intercept: -7
 axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, -\frac{17}{3})$



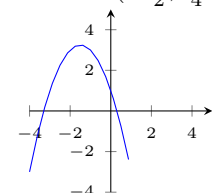
6. x intercept: 2 and $\frac{1}{3}$
 y intercept: 2
 axis of symmetry: $x = \frac{7}{6}$
 vertex: $(\frac{7}{6}, -\frac{25}{12})$



7. x intercept: 2 and -4
 y intercept: -8
 axis of symmetry: $x = -1$
 vertex: $(-1, -9)$

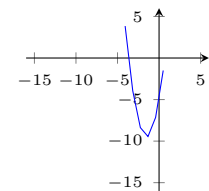


8. x intercept: $\frac{-3 \pm \sqrt{13}}{2}$
 y intercept: 1
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, \frac{13}{4})$

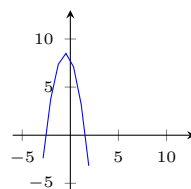


Document No. QFV2391089

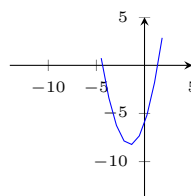
1. x intercept: $\frac{-6 \pm \sqrt{76}}{4}$
 y intercept: -5
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{19}{2})$



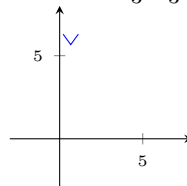
2. x intercept: $-\frac{5}{2}$ and $\frac{3}{2}$
 y intercept: 8
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, \frac{17}{2})$



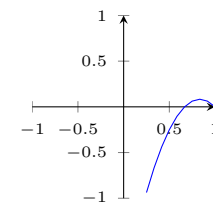
3. x intercept: 1 and -4
 y intercept: -6
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{33}{4})$



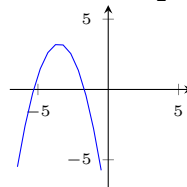
4. x intercept: no x intercept
 y intercept: 7
 axis of symmetry: $x = \frac{2}{3}$
 vertex: $(\frac{2}{3}, \frac{17}{3})$



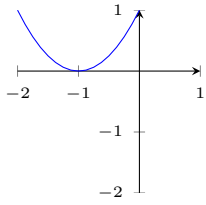
5. x intercept: $\frac{2}{3}$ and 1
 y intercept: -2
 axis of symmetry: $x = \frac{5}{6}$
 vertex: $(\frac{5}{6}, \frac{1}{12})$



6. x intercept: $\frac{-7 \pm \sqrt{13}}{2}$
 y intercept: -9
 axis of symmetry: $x = -\frac{7}{2}$
 vertex: $(-\frac{7}{2}, \frac{13}{4})$



7. x intercept: -1
 y intercept: 1
 axis of symmetry: $x = -1$
 vertex: $(-1, 0)$

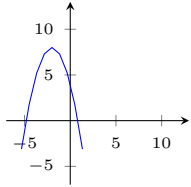


8.x intercept: $\frac{-4 \pm \sqrt{32}}{2}$

y intercept: 4

axis of symmetry: $x = -2$

vertex: $(-2, 8)$



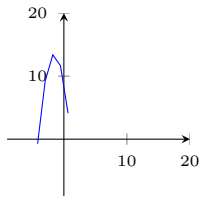
Document No. QFV2391090

1.x intercept: -4 and 1

y intercept: 9

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, \frac{27}{2})$

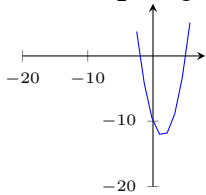


2.x intercept: 5 and -2

y intercept: -10

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{49}{4})$

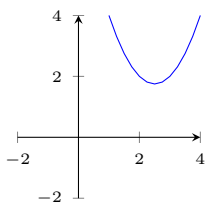


3.x intercept: no x intercept

y intercept: 8

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{7}{4})$

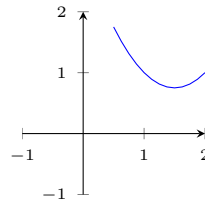


4.x intercept: no x intercept

y intercept: 3

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{3}{4})$

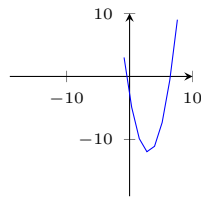


5.x intercept: $\frac{6 \pm \sqrt{48}}{2}$

y intercept: -3

axis of symmetry: $x = 3$

vertex: $(3, -12)$

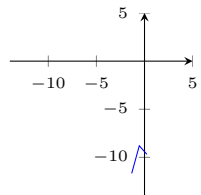


6.x intercept: no x intercept

y intercept: -9

axis of symmetry: $x = -\frac{1}{3}$

vertex: $(-\frac{1}{3}, -\frac{26}{3})$

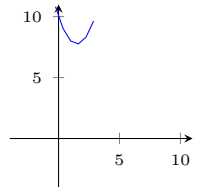


7.x intercept: no x intercept

y intercept: 10

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, \frac{31}{4})$

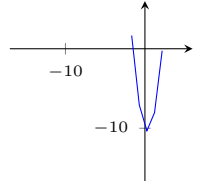


8.x intercept: $\frac{2 \pm \sqrt{124}}{6}$

y intercept: -10

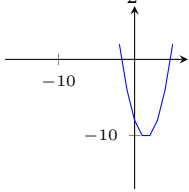
axis of symmetry: $x = \frac{1}{3}$

vertex: $(\frac{1}{3}, -\frac{31}{3})$

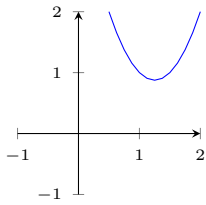


Document No. QFV2391091

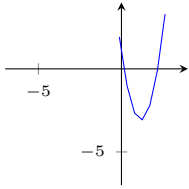
1. x intercept: $\frac{9}{2}$ and $-\frac{3}{2}$
 y intercept: -8
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{41}{4})$



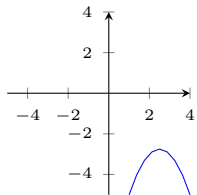
2. x intercept: no x intercept
 y intercept: 4
 axis of symmetry: $x = \frac{5}{4}$
 vertex: $(\frac{5}{4}, \frac{7}{8})$



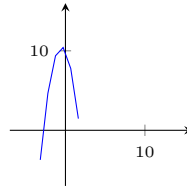
3. x intercept: $\frac{7 \pm \sqrt{37}}{6}$
 y intercept: 1
 axis of symmetry: $x = \frac{7}{6}$
 vertex: $(\frac{7}{6}, -\frac{37}{12})$



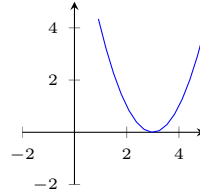
4. x intercept: no x intercept
 y intercept: -9
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{11}{4})$



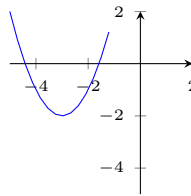
5. x intercept: $-\frac{11}{4}$ and $\frac{7}{4}$
 y intercept: 10
 axis of symmetry: $x = -\frac{1}{2}$
 vertex: $(-\frac{1}{2}, \frac{21}{2})$



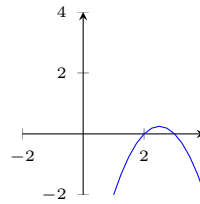
6. x intercept: 3
 y intercept: 9
 axis of symmetry: $x = 3$
 vertex: (3, 0)



7. x intercept: $\frac{-6 \pm \sqrt{8}}{2}$
 y intercept: 7
 axis of symmetry: $x = -3$
 vertex: (-3, -2)

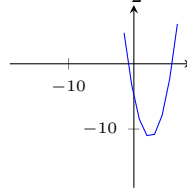


8. x intercept: 2 and 3
 y intercept: -6
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, \frac{1}{4})$



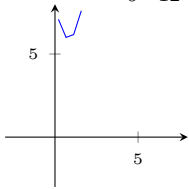
Document No. QFV2391092

1. x intercept: $\frac{5 \pm \sqrt{45}}{2}$
 y intercept: -5
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{45}{4})$

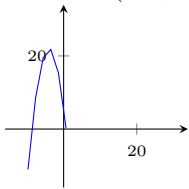


2. x intercept: no x intercept
 y intercept: 8

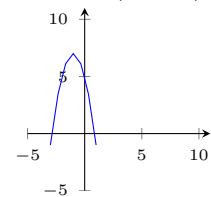
axis of symmetry: $x = \frac{5}{6}$
 vertex: $(\frac{5}{6}, \frac{71}{12})$



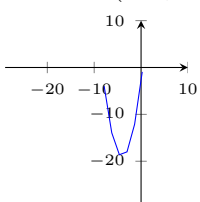
3. x intercept: $-\frac{17}{2}$ and $\frac{1}{2}$
 y intercept: 6
 axis of symmetry: $x = -4$
 vertex: $(-4, 22)$



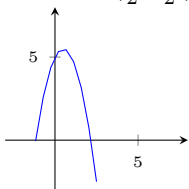
4. x intercept: $-\frac{11}{4}$ and $\frac{3}{4}$
 y intercept: 5
 axis of symmetry: $x = -1$
 vertex: $(-1, 7)$



5. x intercept: $\frac{-8 \pm \sqrt{76}}{2}$
 y intercept: -3
 axis of symmetry: $x = -4$
 vertex: $(-4, -19)$

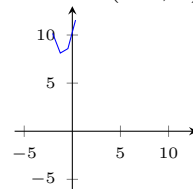


6. x intercept: -1 and 2
 y intercept: 5
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, \frac{11}{2})$

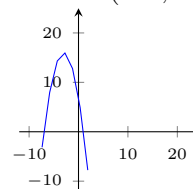


7. x intercept: no x intercept
 y intercept: 10

axis of symmetry: $x = -1$
 vertex: $(-1, 8)$

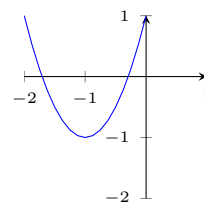


8. x intercept: -7 and 1
 y intercept: 7
 axis of symmetry: $x = -3$
 vertex: $(-3, 16)$

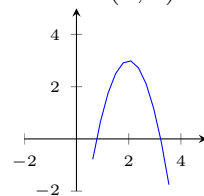


Document No. QFV2391093

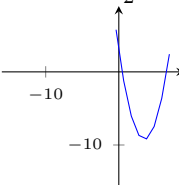
1. x intercept: $\frac{-4 \pm \sqrt{8}}{4}$
 y intercept: 1
 axis of symmetry: $x = -1$
 vertex: $(-1, -1)$



2. x intercept: $\frac{8 \pm \sqrt{24}}{4}$
 y intercept: -5
 axis of symmetry: $x = 2$
 vertex: $(2, 3)$



3. x intercept: $\frac{7 \pm \sqrt{37}}{2}$
 y intercept: 3
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, -\frac{37}{4})$

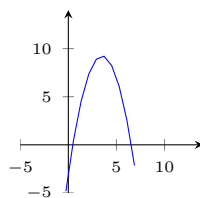
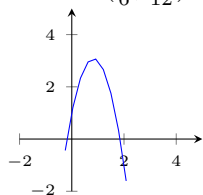


4.x intercept: $\frac{5 \pm \sqrt{37}}{6}$

y intercept: 1

axis of symmetry: $x = \frac{5}{6}$

vertex: $(\frac{5}{6}, \frac{37}{12})$



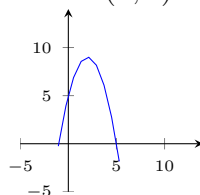
Document No. QFV2391094

1.x intercept: -1 and 5

y intercept: 5

axis of symmetry: $x = 2$

vertex: (2, 9)

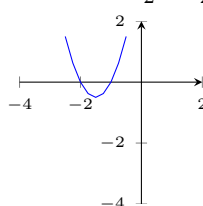


5.x intercept: -1 and -2

y intercept: 4

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{1}{2})$

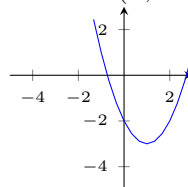


2.x intercept: $\frac{2 \pm \sqrt{12}}{2}$

y intercept: -2

axis of symmetry: $x = 1$

vertex: (1, -3)

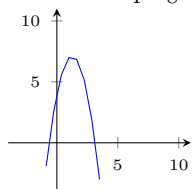


6.x intercept: $-\frac{1}{2}$ and 3

y intercept: 4

axis of symmetry: $x = \frac{5}{4}$

vertex: $(\frac{5}{4}, \frac{57}{8})$

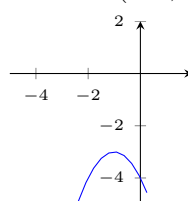


3.x intercept: no x intercept

y intercept: -4

axis of symmetry: $x = -1$

vertex: (-1, -3)

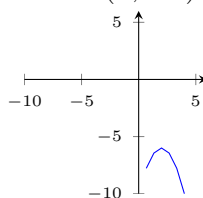


7.x intercept: no x intercept

y intercept: -10

axis of symmetry: $x = 2$

vertex: (2, -6)

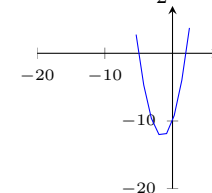


4.x intercept: 2 and -5

y intercept: -10

axis of symmetry: $x = -\frac{3}{2}$

vertex: $(-\frac{3}{2}, -\frac{49}{4})$



8.x intercept: $\frac{7 \pm \sqrt{37}}{2}$

y intercept: -3

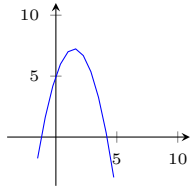
axis of symmetry: $x = \frac{7}{2}$

vertex: $(\frac{7}{2}, \frac{37}{4})$

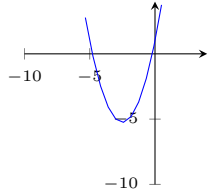
5.x intercept: $\frac{3 \pm \sqrt{29}}{2}$

y intercept: 5

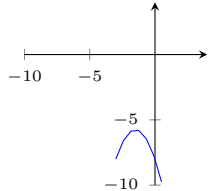
axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{29}{4})$



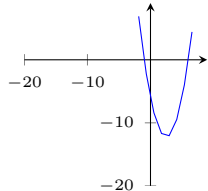
6.x intercept: $-\frac{1}{2}$ and $-\frac{9}{2}$
 y intercept: 1
 axis of symmetry: $x = -\frac{5}{2}$
 vertex: $(-\frac{5}{2}, -\frac{21}{4})$



7.x intercept: no x intercept
 y intercept: -8
 axis of symmetry: $x = -\frac{3}{2}$
 vertex: $(-\frac{3}{2}, -\frac{23}{4})$

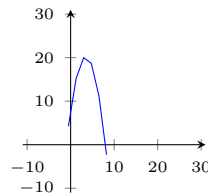


8.x intercept: 6 and -1
 y intercept: -6
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{49}{4})$

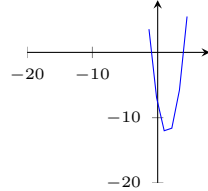


Document No. QFV2391095

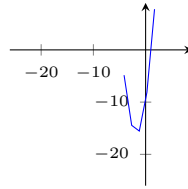
1.x intercept: -1 and 8
 y intercept: 8
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{81}{4})$



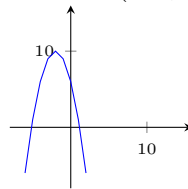
2.x intercept: 4 and -1
 y intercept: -8
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{25}{2})$



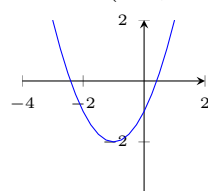
3.x intercept: 1 and $-\frac{9}{2}$
 y intercept: -10
 axis of symmetry: $x = -\frac{7}{4}$
 vertex: $(-\frac{7}{4}, -\frac{129}{8})$



4.x intercept: $\frac{-4 \pm \sqrt{40}}{2}$
 y intercept: 6
 axis of symmetry: $x = -2$
 vertex: $(-2, 10)$

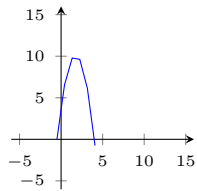


5.x intercept: $\frac{-2 \pm \sqrt{8}}{2}$
 y intercept: -1
 axis of symmetry: $x = -1$
 vertex: $(-1, -2)$



6.x intercept: $-\frac{1}{2}$ and 4
 y intercept: 4
 axis of symmetry: $x = \frac{7}{4}$

vertex: $(\frac{7}{4}, \frac{81}{8})$

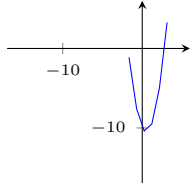


7. x intercept: $\frac{11}{4}$ and $-\frac{7}{4}$

y intercept: -10

axis of symmetry: $x = \frac{1}{2}$

vertex: $(\frac{1}{2}, -\frac{21}{2})$

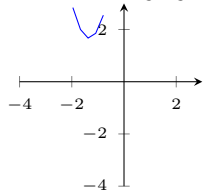


8. x intercept: no x intercept

y intercept: 7

axis of symmetry: $x = -\frac{4}{3}$

vertex: $(-\frac{4}{3}, \frac{5}{3})$



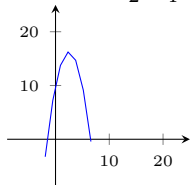
Document No. QFV2391096

1. x intercept: $\frac{5 \pm \sqrt{65}}{2}$

y intercept: 10

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{65}{4})$

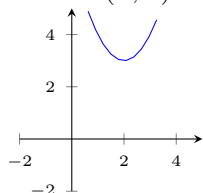


2. x intercept: no x intercept

y intercept: 7

axis of symmetry: $x = 2$

vertex: (2, 3)

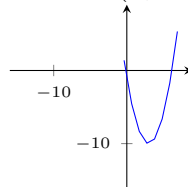


3. x intercept: $\frac{6 \pm \sqrt{40}}{2}$

y intercept: -1

axis of symmetry: $x = 3$

vertex: (3, -10)

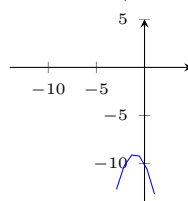


4. x intercept: no x intercept

y intercept: -10

axis of symmetry: $x = -1$

vertex: (-1, -9)

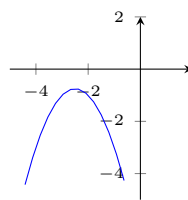


5. x intercept: no x intercept

y intercept: -7

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, -\frac{3}{4})$

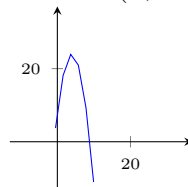


6. x intercept: $\frac{8 \pm \sqrt{96}}{2}$

y intercept: 8

axis of symmetry: $x = 4$

vertex: (4, 24)

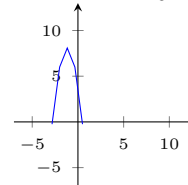


7. x intercept: $\frac{-7 \pm \sqrt{97}}{6}$

y intercept: 4

axis of symmetry: $x = -\frac{7}{6}$

vertex: $(-\frac{7}{6}, \frac{97}{12})$

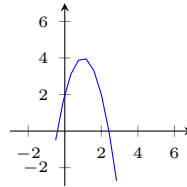
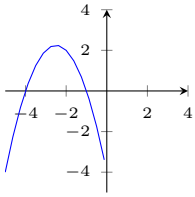


8. x intercept: -4 and -1

y intercept:-4

axis of symmetry: $x = -\frac{5}{2}$

vertex: $(-\frac{5}{2}, \frac{9}{4})$

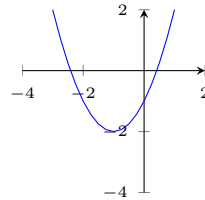


5.x intercept: $\frac{-2 \pm \sqrt{8}}{2}$

y intercept:-1

axis of symmetry: $x = -1$

vertex: $(-1, -2)$



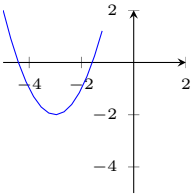
Document No. QFV2391097

1.x intercept: $\frac{-6 \pm \sqrt{8}}{2}$

y intercept:7

axis of symmetry: $x = -3$

vertex: $(-3, -2)$

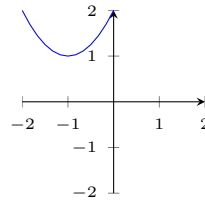


6.x intercept: no x intercept

y intercept:2

axis of symmetry: $x = -1$

vertex: $(-1, 1)$

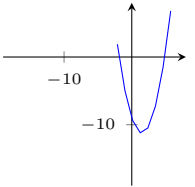


2.x intercept: $\frac{3 \pm \sqrt{45}}{2}$

y intercept:-9

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{45}{4})$

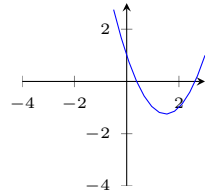


7.x intercept: $\frac{3 \pm \sqrt{5}}{2}$

y intercept:1

axis of symmetry: $x = \frac{3}{2}$

vertex: $(\frac{3}{2}, -\frac{5}{4})$

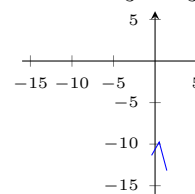


3.x intercept: no x intercept

y intercept:-10

axis of symmetry: $x = \frac{1}{3}$

vertex: $(\frac{1}{3}, -\frac{29}{3})$

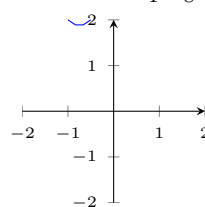


8.x intercept: no x intercept

y intercept:3

axis of symmetry: $x = -\frac{3}{4}$

vertex: $(-\frac{3}{4}, \frac{15}{8})$



4.x intercept: $\frac{4 \pm \sqrt{32}}{4}$

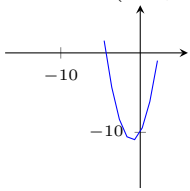
y intercept:2

axis of symmetry: $x = 1$

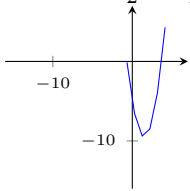
vertex: $(1, 4)$

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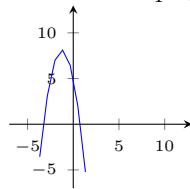
1.x intercept:2 and -4
 y intercept:-10
 axis of symmetry: $x = -1$
 vertex: $(-1, -11)$



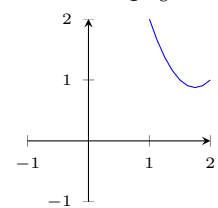
2.x intercept: $\frac{6 \pm \sqrt{76}}{4}$
 y intercept:-5
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, -\frac{19}{2})$



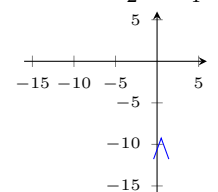
3.x intercept: $\frac{-5 \pm \sqrt{65}}{4}$
 y intercept:5
 axis of symmetry: $x = -\frac{5}{4}$
 vertex: $(-\frac{5}{4}, \frac{65}{8})$



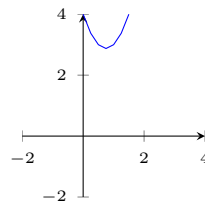
4.x intercept: no x intercept
 y intercept:7
 axis of symmetry: $x = \frac{7}{4}$
 vertex: $(\frac{7}{4}, \frac{7}{8})$



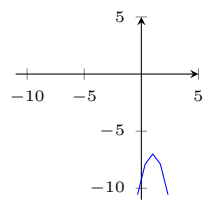
5.x intercept: no x intercept
 y intercept:-10
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{37}{4})$



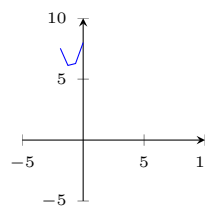
6.x intercept: no x intercept
 y intercept:4
 axis of symmetry: $x = \frac{3}{4}$
 vertex: $(\frac{3}{4}, \frac{23}{8})$



7.x intercept: no x intercept
 y intercept:-9
 axis of symmetry: $x = 1$
 vertex: $(1, -7)$

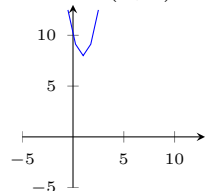


8.x intercept: no x intercept
 y intercept:8
 axis of symmetry: $x = -1$
 vertex: $(-1, 6)$

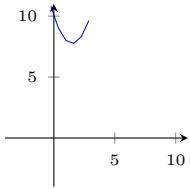


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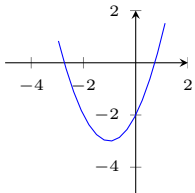
1.x intercept: no x intercept
 y intercept:10
 axis of symmetry: $x = 1$
 vertex: $(1, 8)$



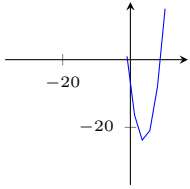
2.x intercept: no x intercept
 y intercept:10
 axis of symmetry: $x = \frac{3}{2}$
 vertex: $(\frac{3}{2}, \frac{31}{4})$



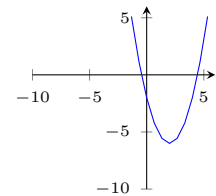
3. x intercept: $\frac{-2 \pm \sqrt{12}}{2}$
 y intercept: -2
 axis of symmetry: $x = -1$
 vertex: $(-1, -3)$



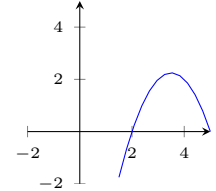
4. x intercept: $\frac{8 \pm \sqrt{96}}{2}$
 y intercept: -8
 axis of symmetry: $x = 4$
 vertex: $(4, -24)$



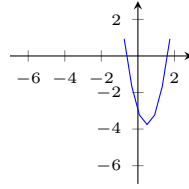
5. x intercept: $\frac{4 \pm \sqrt{24}}{2}$
 y intercept: -2
 axis of symmetry: $x = 2$
 vertex: $(2, -6)$



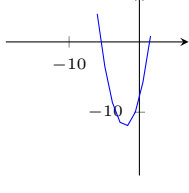
6. x intercept: 2 and 5
 y intercept: -10
 axis of symmetry: $x = \frac{7}{2}$
 vertex: $(\frac{7}{2}, \frac{9}{4})$



7. x intercept: $\frac{3 \pm \sqrt{45}}{6}$
 y intercept: -3
 axis of symmetry: $x = \frac{1}{2}$
 vertex: $(\frac{1}{2}, -\frac{15}{4})$

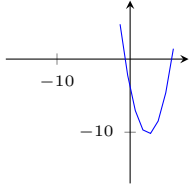


8. x intercept: $\frac{-4 \pm \sqrt{48}}{2}$
 y intercept: -8
 axis of symmetry: $x = -2$
 vertex: $(-2, -12)$

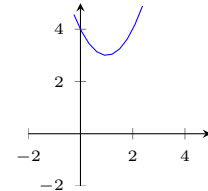


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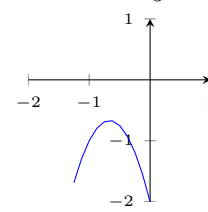
1. x intercept: $\frac{11}{2}$ and $-\frac{1}{2}$
 y intercept: -4
 axis of symmetry: $x = \frac{5}{2}$
 vertex: $(\frac{5}{2}, -\frac{41}{4})$



2. x intercept: no x intercept
 y intercept: 4
 axis of symmetry: $x = 1$
 vertex: $(1, 3)$



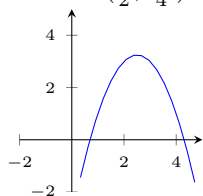
3. x intercept: no x intercept
 y intercept: -2
 axis of symmetry: $x = -\frac{2}{3}$
 vertex: $(-\frac{2}{3}, -\frac{2}{3})$



4. x intercept: $\frac{5 \pm \sqrt{13}}{2}$
 y intercept: -3

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, \frac{13}{4})$

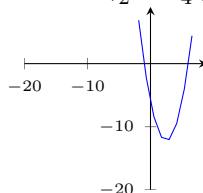


5. x intercept: 6 and -1

y intercept: -6

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{49}{4})$

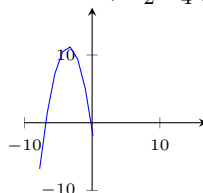


6. x intercept: $\frac{-7 \pm \sqrt{45}}{2}$

y intercept: -1

axis of symmetry: $x = -\frac{7}{2}$

vertex: $(-\frac{7}{2}, \frac{45}{4})$

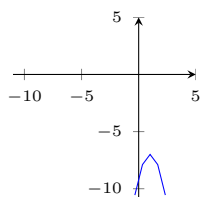


7. x intercept: no x intercept

y intercept: -9

axis of symmetry: $x = 1$

vertex: (1, -7)



8. x intercept: $\frac{5 \pm \sqrt{5}}{2}$

y intercept: 5

axis of symmetry: $x = \frac{5}{2}$

vertex: $(\frac{5}{2}, -\frac{5}{4})$

