



Name: _____

Date: _____

Graph each quadratic function.

Solve for x. Show your work.

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

2. $y = 2(x + 2)^2 + 0$

3. $y = -2(x + 3)^2 + 0$

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

5. $y = 2(x + 0)^2 - 6$

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

7. $y = 2(x + 1)^2 + 4$

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



Graph each quadratic function. – Answer Key

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

Vertex: (1, -5)

2. $y = 2(x + 2)^2 + 0$

Vertex: (-2, 0)

3. $y = -2(x + 3)^2 + 0$

Vertex: (-3, 0)

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

Vertex: (-3, -1)

5. $y = 2(x + 0)^2 - 6$

Vertex: (0, -6)

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

Vertex: (2, -5)

7. $y = 2(x + 1)^2 + 4$

Vertex: (-1, 4)

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

Vertex: (1, 4)