

Solving Quadratic Equations – Quadratic Formula

Solve using the quadratic formula.

1. $x^2 + 2x - 8 = 0$

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

3. $8x^2 = -16x - x^2 + 12$

4. $x^2 - 2x + 7 = 0$

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

6. $2x^2 + 5x + 3 = 0$

7. $3x^2 + x + 2 = 0$

8. $0.5x^2 - 7x = -2$

Graphing Quadratic Equations

Find the y-intercept and the equation of the line of symmetry for each quadratic function. Then draw the graph.

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

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

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

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