

## Solving with the Quadratic Formula

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation with the quadratic formula.**

1)  $4x^2 - 8x + 3 = 0$

2)  $x^2 + 6x - 16 = 0$

3)  $-2m^2 + 6m + 56 = 0$

4)  $-x^2 + 1 = 0$

5)  $2x^2 + 4x - 48 = 0$

6)  $4r^2 + 8r - 5 = 0$

7)  $-3x^2 - 4x + 31 = -8$

8)  $-4n^2 - 3n + 56 = 4$

9)  $x^2 - x - 17 = -5$

10)  $-2m^2 + m + 59 = 4$

## Answers to Solving with the Quadratic Formula (ID: 1)

1)  $\left\{1\frac{1}{2}, \frac{1}{2}\right\}$   
9)  $\{4, -3\}$

3)  $\{-4, 7\}$

5)  $\{4, -6\}$

7)  $\left\{-4\frac{1}{3}, 3\right\}$