

Name: _____

Date: _____

Quadratic Formula

Solve each equation with the quadratic formula.

1) $m^2 - 5m - 14 = 0$

$\{7, -2\}$

2) $2m^2 + 2m - 12 = 0$

$\{2, -3\}$

3) $2x^2 - 3x - 5 = 0$

$\left\{\frac{5}{2}, -1\right\}$

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

$\{1, -3\}$

5) $5r^2 = 80$

$\{4, -4\}$

6) $2x^2 + 3x - 20 = 0$

$\left\{\frac{5}{2}, -4\right\}$

7) $x^2 + 4x + 3 = 0$

$\{-1, -3\}$

8) $b^2 - 4b + 4 = 0$

$\{2\}$

9) $2x^2 - 36 = x$

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

10) $4b^2 + 8b + 7 = 4$

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