

Name : _____

Score : _____

Teacher : _____

Date : _____

The Quadratic Formula

Solve each equation with the quadratic formula.

1) $h^2 - 14h + 4 = -36$

6) $m^2 - 8m - 33 = 0$

2) $6x^2 - 37x = -56$

7) $8r^2 + 12r + 4 = 0$

3) $d^2 - 11d = -30$

8) $n^2 + 6n = 16$

4) $18y^2 - 90y + 72 = 0$

9) $d^2 + 2d = 48$

5) $12x^2 - 74x + 8 = -82$

10) $8h^2 + 52h + 70 = -2$



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The Quadratic Formula

Solve each equation with the quadratic formula.

1) $h^2 - 14h + 4 = -36$

$$h = \{ 10, 4 \}$$

6) $m^2 - 8m - 33 = 0$

$$m = \{ 11, -3 \}$$

2) $6x^2 - 37x = -56$

$$x = \left\{ \frac{8}{3}, \frac{7}{2} \right\}$$

7) $8r^2 + 12r + 4 = 0$

$$r = \left\{ -1, -\frac{1}{2} \right\}$$

3) $d^2 - 11d = -30$

$$d = \{ 5, 6 \}$$

8) $n^2 + 6n = 16$

$$n = \{ 2, -8 \}$$

4) $18y^2 - 90y + 72 = 0$

$$y = \{ 1, 4 \}$$

9) $d^2 + 2d = 48$

$$d = \{ -8, 6 \}$$

5) $12x^2 - 74x + 8 = -82$

$$x = \left\{ \frac{9}{2}, \frac{5}{3} \right\}$$

10) $8h^2 + 52h + 70 = -2$

$$h = \left\{ -\frac{9}{2}, -2 \right\}$$

