

Name : _____

Quadratic Equation Worksheet

Solve each equation with the quadratic formula.

1) $-y^2 - 2y + 19 = -29$

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

3) $-2x^2 + 17x - 12 = 9$

4) $2x^2 - 6x - 13 = 43$

5) $4x^2 - 28x - 41 = 0$

6) $x^2 + 17x + 63 = -9$

7) $2x^2 + 20x + 48 = 0$

8) $-4x^2 + 8x + 21 = 0$

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Quadratic Equation Worksheet

Answers

1) $-y^2 - 2y + 19 = -29$

$$\underline{\{-8, 6\}}$$

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

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

3) $-2x^2 + 17x - 12 = 9$

$$\underline{\left\{\frac{3}{2}, 7\right\}}$$

4) $2x^2 - 6x - 13 = 43$

$$\underline{\{7, -4\}}$$

5) $4x^2 - 28x - 41 = 0$

$$\underline{\left\{\frac{9}{2}, \frac{5}{2}\right\}}$$

6) $x^2 + 17x + 63 = -9$

$$\underline{\{-8, -9\}}$$

7) $2x^2 + 20x + 48 = 0$

$$\underline{\{-4, -6\}}$$

8) $-4x^2 + 8x + 21 = 0$

$$\underline{\left\{-\frac{3}{2}, \frac{7}{2}\right\}}$$