

Quadratic Formula Homework

Date _____ Period _____

Solve each equation with the quadratic formula.

1) $2x^2 + 7x - 72 = 0$

2) $4p^2 + 9p + 2 = 0$

3) $k^2 - 2k - 103 = -4$

4) $m^2 - 11m - 50 = -8$

5) $6a^2 - 7a = 143$

6) $2x^2 + 3x = 119$

7) $-7n^2 - 9n - 21 = -9n^2 - 3$

8) $3n^2 - 16n - 48 = -6n$

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1) $2x^2 + 7x - 72 = 0$

$$\left\{\frac{9}{2}, -8\right\}$$

2) $4p^2 + 9p + 2 = 0$

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

3) $k^2 - 2k - 103 = -4$

$$\{11, -9\}$$

4) $m^2 - 11m - 50 = -8$

$$\{14, -3\}$$

$$5) \ 6a^2 - 7a = 143$$

$$\left\{ \frac{11}{2}, -\frac{13}{3} \right\}$$

$$6) \ 2x^2 + 3x = 119$$

$$\left\{ 7, -\frac{17}{2} \right\}$$

$$7) \ -7n^2 - 9n - 21 = -9n^2 - 3$$

$$\left\{ 6, -\frac{3}{2} \right\}$$

$$8) \ 3n^2 - 16n - 48 = -6n$$

$$\left\{ 6, -\frac{8}{3} \right\}$$