

Quadratic Formula 5

Date _____ Period _____

Solve each equation with the quadratic formula.

1) $8a^2 + 3a - 1 = 0$

2) $11n^2 + 9n - 18 = 0$

3) $4k^2 + 8k - 10 = 0$

4) $3r^2 - 10r - 2 = 0$

5) $r^2 + 6r + 9 = 0$

6) $2p^2 - 12p - 144 = 0$

Answers to Quadratic Formula 5 (ID: 1)

$$1) \left\{ \frac{-3 + \sqrt{41}}{16}, \frac{-3 - \sqrt{41}}{16} \right\}$$

$$2) \left\{ \frac{-9 + 3\sqrt{97}}{22}, \frac{-9 - 3\sqrt{97}}{22} \right\}$$

$$3) \left\{ \frac{-2 + \sqrt{14}}{2}, \frac{-2 - \sqrt{14}}{2} \right\}$$

$$4) \left\{ \frac{5 + \sqrt{31}}{3}, \frac{5 - \sqrt{31}}{3} \right\}$$

$$5) \{-3\}$$

$$6) \{12, -6\}$$