

9.32-9.42

Date _____ Period _____

Solve each equation by factoring.

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

2) $n^2 + 8n + 12 = 0$

3) $b^2 + 10b + 21 = 0$

4) $a^2 - 2a - 35 = 0$

5) $p^2 - p - 56 = 0$

6) $x^2 + x - 12 = 0$

Solve each equation by taking square roots.

7) $p^2 = 16$

8) $x^2 = -73$

9) $k^2 + 1 = 2$

10) $5r^2 = 45$

11) $-8r^2 = -8$

12) $x^2 + 3 = 52$

Answers to 9.32-9.42 (ID: 1)

1) $\{7, -2\}$

5) $\{8, -7\}$

9) $\{1, -1\}$

2) $\{-2, -6\}$

6) $\{3, -4\}$

10) $\{3, -3\}$

3) $\{-3, -7\}$

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

11) $\{1, -1\}$

4) $\{7, -5\}$

8) No solution.

12) $\{7, -7\}$