

Lesson 9 Assignment Solve by Factoring

Date _____ Period _____

Solve each equation by factoring.

1) $(4p + 5)(p - 3) = 0$

2) $(x - 5)(x + 1) = 0$

3) $r^2 + r - 42 = 0$

4) $k^2 + 8k = 0$

5) $b^2 - 2b - 15 = 0$

6) $16x^2 = 9$

7) $5n^2 + 7n - 12 = -6$

8) $2b^2 + 5b - 3 = -5$

9) $6x^2 + 7x = 0$

10) $5x^2 - 17x = -6$

11) $5b^2 = -40b - 60$

12) $5b^2 + 5b = 30$

Answers to Lesson 9 Assignment Solve by Factoring (ID: 1)

1) $\left\{-\frac{5}{4}, 3\right\}$

2) $\{5, -1\}$

3) $\{-7, 6\}$

4) $\{-8, 0\}$

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

6) $\left\{\frac{3}{4}, -\frac{3}{4}\right\}$

7) $\left\{\frac{3}{5}, -2\right\}$

8) $\left\{-\frac{1}{2}, -2\right\}$

9) $\left\{-\frac{7}{6}, 0\right\}$

10) $\left\{\frac{2}{5}, 3\right\}$

11) $\{-6, -2\}$

12) $\{2, -3\}$