

Assignment

Date _____ Period _____

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Solve each equation by factoring.

1) $(k + 5)(5k + 4) = 0$

2) $(7x + 3)(x - 1) = 0$

3) $(n + 8)(n - 2) = 0$

4) $(3p + 7)(p + 7) = 0$

$$5) m(7m - 6) = 0$$

$$6) v^2 - 6v + 8 = 0$$

$$7) x^2 - 4x = 0$$

$$8) n^2 - 7n + 12 = 0$$

$$9) b^2 - 3b - 4 = 0$$

$$10) r^2 + 8r = 0$$

$$11) 3x^2 - 8x = 0$$

$$12) 3n^2 - 17n + 10 = 0$$

$$13) 7x^2 + x = 0$$

$$14) 15n^2 + 46n + 35 = 0$$

$$15) 6r^2 - r - 7 = 0$$

$$16) 5x^2 + 16x - 16 = 0$$

$$17) 3b^2 - 23b - 8 = 0$$

$$18) 35m^2 - 9m - 18 = 0$$

$$19) 5p^2 - 7p + 2 = 0$$

$$20) 15n^2 - 8n - 16 = 0$$

Answers to Assignment (ID: 1)

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

2) $\left\{-\frac{3}{7}, 1\right\}$

3) $\{-8, 2\}$

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

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

6) $\{2, 4\}$

7) $\{4, 0\}$

8) $\{4, 3\}$

9) $\{4, -1\}$

10) $\{-8, 0\}$

11) $\left\{\frac{8}{3}, 0\right\}$

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

13) $\left\{-\frac{1}{7}, 0\right\}$

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

15) $\left\{\frac{7}{6}, -1\right\}$

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

17) $\left\{-\frac{1}{3}, 8\right\}$

18) $\left\{\frac{6}{7}, -\frac{3}{5}\right\}$

19) $\left\{\frac{2}{5}, 1\right\}$

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