

Classwork/Homework Tuesday Sept. 22, 2009

Date_____ Period_____

Solve each equation by factoring.

1) $m^2 + 5m = -4$

2) $x^2 = 14 + 5x$

3) $p^2 + 18 = -9p$

4) $n^2 + 5 = -6n$

5) $2x^2 = 7x - 6$

6) $6n^2 - 2 = -n$

7) $3k^2 - 3 = -8k$

8) $9a^2 - 2 = -3a$

9) $2x^2 - 3x = -1$

10) $3x^2 = 8x + 3$

11) $3n^2 + 2 = -5n$

12) $2m^2 = 5m + 3$

13) $2n^2 = 5n - 3$

14) $2b^2 = -3 - 7b$

15) $15r^2 = -11r + 12$

16) $3m^2 = -14m + 5$

17) $5x^2 - 9 = -12x$

18) $3n^2 = 10 - 13n$

19) $5b^2 - 6 = -13b$

20) $2v^2 - 1 = -v$

Answers to Classwork/Homework Tuesday Sept. 22, 2009 (ID: 1)

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

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

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

4) $\{-5, -1\}$

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

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

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

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

9) $\left\{\frac{1}{2}, 1\right\}$

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

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

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

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

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

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

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

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

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

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

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