

## Corrective Assignment 10.5

Name: \_\_\_\_\_

Solve each equation by factoring.

1)  $x^2 - 9x + 8 = 0$

2)  $5x^2 - 18x - 35 = 0$

3)  $7m^2 + 45m + 22 = 4$

4)  $14n^2 - 23n + 13 = 5$

5)  $x^2 + 2x - 22 = -7$

6)  $p^2 - 2p + 4 = 7$

7)  $-7 = -m^2 + 6m$

8)  $n^2 = -10n - 24$

9)  $3 + 5x = -2x^2$

10)  $-17r = -7r^2 + 12$

11)  $-b^2 - 18b - 8 = -3b^2 - 3b$

12)  $20 - 31n = -15n^2 + 6n$

13)  $8x^2 - 15x + 39 = 7x^2 + 7 - 3x$

14)  $v^2 - 22v + 56 = -7v$

### Answers to Corrective Assignment 10-5

1)  $\{8, 1\}$

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

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

4)  $\left\{\frac{1}{2}, \frac{8}{7}\right\}$

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

6)  $\{-1, 3\}$

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

8)  $\{-6, -4\}$

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

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

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

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

13)  $\{4, 8\}$

14)  $\{8, 7\}$

