

## Mod 3.6 Homework

Date \_\_\_\_\_ Period \_\_\_\_\_

**Solve each equation by factoring.**

1)  $n^2 - 5n - 24 = 0$

2)  $n^2 + 6n - 16 = 0$

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

4)  $n^2 + 3n - 40 = 0$

5)  $n^2 + 4n = 0$

**Solve each equation by completing the square.**

6)  $m^2 - 20m - 44 = 0$

7)  $x^2 - 20x + 26 = 0$

8)  $5k^2 - 20k - 60 = 0$

9)  $5x^2 - 20x + 15 = 0$

10)  $x^2 - 6x - 27 = 0$

## Answers to Mod 3.6 Homework

1)  $\{-3, 8\}$   
9)  $\{3, 1\}$

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

5)  $\{-4, 0\}$

7)  $\{18.602, 1.398\}$