

## WS 10.7A Completing the Square

Solve each equation by completing the square.

1)  $m^2 - 10m + 21 = 0$

2)  $4r^2 - 16r + 7 = 0$

3)  $5n^2 - 20n + 10 = 0$

4)  $8n^2 - 16n - 80 = 0$

5)  $p^2 + 4p - 12 = 0$

6)  $x^2 + 14x + 9 = -3$

7)  $3x^2 + 18x - 24 = -3$

8)  $v^2 - 6v - 14 = 2$

$$9) x^2 + 10x - 55 = 4$$

$$10) 3n^2 - 6n - 52 = -7$$

$$11) k^2 - 9k - 86 = 0$$

$$12) 10x^2 + 8x - 49 = 0$$

$$13) 2a^2 - 7a - 85 = 0$$

$$14) 10x^2 + 4x - 100 = 0$$

$$15) 9x^2 + 3x - 22 = 8$$

$$16) 10m^2 + 11m - 1 = 4$$