

## Unit 4.2 Solve by Completing the square Practice

Period \_\_\_\_\_

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

1)  $x^2 + 16x - 36 = 0$

2)  $v^2 + 20v - 21 = 0$

3)  $5p^2 - 10p - 15 = 0$

4)  $8x^2 - 16x - 84 = 0$

5)  $n^2 + 18n + 25 = 8$

6)  $x^2 - 20x + 56 = -9$

7)  $10n^2 + 20n - 21 = 9$

8)  $8p^2 - 16p - 44 = -2$

$$9) x^2 = -4x + 96$$

$$10) x^2 + 20x = 69$$

$$11) 8b^2 - 24 = -16b$$

$$12) 8x^2 - 60 = 16x$$

$$13) -7x^2 - 42 = 12x - 8x^2$$

$$14) r^2 - 20r - 18 = 1$$

$$15) 5k^2 + 29k - 85 = 9k$$

$$16) 10x^2 - 19x - 25 = x + 5$$