

## Completing the Square

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

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

1)  $x^2 - 4x - 55 = 5$

2)  $k^2 - 16k - 8 = -7$

3)  $k^2 + 18k + 52 = -4$

4)  $b^2 - 14b + 34 = -6$

5)  $4n^2 - 8n - 38 = 4$

6)  $6n^2 + 12n - 97 = -6$

7)  $6k^2 - 12k + 5 = 6$

8)  $6x^2 + 12x - 86 = 4$

9)  $n^2 - 28 = -12n$

10)  $4v^2 + 10v = 24 + 3v^2$