

Completing the Square

Date _____ Period _____

Solve each equation by completing the square.

1) $k^2 + 6k + 5 = 0$

2) $r^2 + 8r + 9 = 0$

3) $x^2 + 4x - 64 = 0$

4) $x^2 + 6x - 7 = 0$

$$5) k^2 - 12k + 18 = 0$$

$$6) x^2 + 4x - 5 = 7$$

$$7) 7a^2 + 14a - 6 = 0$$

$$8) 3p^2 + 18p + 24 = 0$$

$$9) 4v^2 - 16v + 72 = 9$$

$$10) 6b^2 - 12b - 23 = -5$$