

Solving Quadratics by Completing the Square

Date _____ Period _____

Solve each equation by completing the square.

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

2) $p^2 - 2p - 39 = 0$

3) $m^2 - 8m - 48 = 0$

4) $v^2 - 12v - 57 = 0$

5) $p^2 + 14p + 60 = -5$

6) $n^2 - 18n + 96 = 9$

7) $x^2 + 18x + 42 = -10$

8) $n^2 - 8n - 58 = 7$

9) $p^2 + 2p - 72 = -2$

10) $p^2 - 10p - 81 = -9$

11) $3x^2 + 18x + 15 = -6$

12) $10r^2 - 20r - 40 = -10$