

HW #6 Solving Quadratic Equations

Date _____

Solve each equation by completing the square.

1) $v^2 + 12v - 15 = 0$

2) $r^2 - 20r + 33 = 0$

3) $r^2 + 20r + 99 = 0$

4) $v^2 - 6v + 5 = 0$

5) $6r^2 - 12r - 79 = 0$

6) $5k^2 - 10k - 75 = 0$

$$7) 10p^2 - 20p - 30 = 0$$

$$8) 3a^2 + 6a - 42 = 0$$

$$9) b^2 = 70 - 4b$$

$$10) x^2 = -2x + 63$$

$$11) 7v^2 - 21 = -14v$$

$$12) 5n^2 + 20n = 66$$