

## Solving Quadratics by Factoring

**Solve each quadratic equation by factoring. Check your work for the first four problems.**

1)  $x^2 + 5x - 6 = 0$

2)  $r^2 - 8r + 12 = 0$

3)  $m^2 - 2m - 15 = 0$

4)  $v^2 + 6v + 9 = 0$

$$5) x^2 = 30 - x$$

$$6) x^2 = 8x$$

$$7) -28 = -3n - n^2$$

$$8) k^2 + 5k - 24 = 0$$

$$9) 2v^2 - 7v - 15 = 0$$

$$10) 2x^2 - 3x - 20 = 0$$