

## Solving Equations by Completing the Square

Solve each equation by completing the square.

1)  $a^2 + 2a - 3 = 0$

2)  $a^2 - 2a - 8 = 0$

3)  $p^2 + 16p - 22 = 0$

4)  $k^2 + 8k + 12 = 0$

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

6)  $a^2 - 2a - 48 = 0$

7)  $m^2 - 12m + 26 = 0$

8)  $x^2 + 12x + 20 = 0$

9)  $k^2 - 8k - 48 = 0$

10)  $p^2 + 2p - 63 = 0$

11)  $m^2 + 2m - 48 = -6$

12)  $p^2 - 8p + 21 = 6$