

## Solving Quadratic Equations By Completing the Square

Solve each equation by completing the square.

1)  $a^2 + 14a - 51 = 0$

2)  $x^2 - 12x + 11 = 0$

3)  $x^2 + 6x + 8 = 0$

4)  $n^2 - 2n - 3 = 0$

5)  $8x^2 + 16x = 42$

6)  $2a^2 = -6 + 8a$

7)  $2x^2 - 5x + 67 = 0$

8)  $3x^2 = -4 + 8x$