

Solving Quadratics by Completing the Square

Solve these quadratic equations by completing the square.

- (a) $x^2 - 2x - 1 = 0$
- (b) $x^2 - 4x - 1 = 0$
- (c) $x^2 + 4x + 2 = 0$
- (d) $x^2 + 4x - 2 = 0$
- (e) $x^2 + 10x + 2 = 0$
- (f) $x^2 + 12x - 5 = 0$

Solving Quadratics by Completing the Square

Solve these quadratic equations by completing the square.

- (a) $x^2 - 2x - 1 = 0$
- (b) $x^2 - 4x - 1 = 0$
- (c) $x^2 + 4x + 2 = 0$
- (d) $x^2 + 4x - 2 = 0$
- (e) $x^2 + 10x + 2 = 0$
- (f) $x^2 + 12x - 5 = 0$

Solve these quadratic equations by completing the square.

- (a) $x^2 + 11x - 1 = 0$
- (b) $x^2 + 11x - 3 = 0$
- (c) $x^2 + 5x - 3 = 0$
- (d) $x^2 - 5x - 3 = 0$
- (e) $x^2 - x - 3 = 0$

Solve these quadratic equations by completing the square.

- (a) $x^2 + 11x - 1 = 0$
- (b) $x^2 + 11x - 3 = 0$
- (c) $x^2 + 5x - 3 = 0$
- (d) $x^2 - 5x - 3 = 0$
- (e) $x^2 - x - 3 = 0$

Solve these quadratic equations by completing the square.

- (a) $2x^2 - 8x + 3 = 0$
- (b) $2x^2 - 4x - 3 = 0$
- (c) $3x^2 + 12x + 3 = 0$
- (d) $3x^2 - 18x - 2 = 0$
- (e) $4x^2 + 16x - 2 = 0$
- (f) $5x^2 + 20x - 5 = 0$

Solve these quadratic equations by completing the square.

- (a) $2x^2 - 8x + 3 = 0$
- (b) $2x^2 - 4x - 3 = 0$
- (c) $3x^2 + 12x + 3 = 0$
- (d) $3x^2 - 18x - 2 = 0$
- (e) $4x^2 + 16x - 2 = 0$
- (f) $5x^2 + 20x - 5 = 0$

Solve these quadratic equations by completing the square.

- (a) $2x^2 + 3x - 1 = 0$
- (b) $2x^2 + 5x - 1 = 0$
- (c) $2x^2 - 5x - 3 = 0$
- (d) $2x^2 - 11x - 3 = 0$

Solve these quadratic equations by completing the square.

- (a) $2x^2 + 3x - 1 = 0$
- (b) $2x^2 + 5x - 1 = 0$
- (c) $2x^2 - 5x - 3 = 0$
- (d) $2x^2 - 11x - 3 = 0$