**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) $2x^{2}-8x+3=0$

(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) $2x^{2}-11x-3=0$

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