Solving Quadratics by Rearranging

(a)

Solve $42 - x^2 = 11x$

(b)

Solve $8x^2 - 3 = 6 - 14x$

(c)

Solve $12 + x - 7x^2 = 28x + 8$

(d)

Solve $3x(x - 2) = x + 10$

(e)

Solve $(2x + 1)(x + 5) = 4x + 2$

(f)

Solve $(3x - 1)^2 = 17 - 6x$

(g)

Solve $(10x - 7)(x - 2) = 12x$

(h)

Solve $(x + 2)^3 = 4 + x(x^2 + 1)$

(i)

Solve $\sqrt{5x - 6} = 3 - 2x$

(j)

Solve $x + \sqrt{4(x - 2)} = 5$