

Solving Equations Using the Quadratic Formula

Standard Form

$$y = ax^2 + bx + c$$

Quadratic Formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x^2 - 6x - 40 = 0$$

Solve by Factoring

Solve by the Quadratic Formula

1. Solve each equation using the quadratic formula.

a) $6x^2 + 7x + 2 = 0$

b) $2x^2 - 5x - 12 = 0$

c) $x^2 + 4x + 1 = 0$