1.3 Solve by Factoring or the Quadratic Formula Notes

Steps for Solving with the Quadratic Formula:

1. Put equation in standard form with one side of the equation equal to zero.

2. Plug A, B and C into the equation.

3. Simplify

Quadratic Formula

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

Examples:

1. $x^2 - 2x - 3 = 0$ 3. $x^2 + 3x + 3 = 0$

2. $x^2 - 6x + 9 = 0$ 4. $5x^2 - 4x + 1 = 0$