2. $ax^2 + bx + c = 0$ $(a \neq 0)$.

Quadratic equation.

Solutions:

$$x_1 = \frac{-b + \sqrt{b^2 - 4ac}}{2a}, \quad x_2 = \frac{-b - \sqrt{b^2 - 4ac}}{2a}.$$

Vieta's theorem:

$$x_1 + x_2 = -b/a,$$
$$x_1 x_2 = c/a.$$

Quadratic Equation