

Quadratic Equation

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

$$\textcircled{1} \quad x = \frac{-b}{2a}$$

$$\textcircled{2} \quad \frac{\sqrt{b^2 - 4ac}}{2a}$$

$$\frac{1}{2} + \frac{2}{2} = \frac{1+2}{2}$$

~~$\frac{1+2}{2}$~~

$$\frac{-b}{2a} + \frac{\sqrt{b^2 - 4ac}}{2a}$$

x (axis of symmetry)

