

$$f(x) = x^2 + 2x - 3$$



$$\Delta = b^2 - 4ac$$

$$\Delta = 4 + 12 = 16$$

$$x_{1,2} = \frac{-b \pm \sqrt{\Delta}}{2a}$$

$$x_{1,2} = \frac{-2 \pm \sqrt{16}}{2} = \frac{-2 \pm 4}{2}$$

$$x_1 = \frac{-6}{2} = -3$$

$$x_2 = \frac{2}{2} = 1$$