

# Find X-Intercept: Quadratic Equation

$$Y = \square X^2 + \bigcirc X + \triangle$$

$$\left( \quad, 0 \right) \quad 0 = \square X^2 + \bigcirc X + \triangle$$

Now Apply Quadratic Formula: See "Solve Quadratic Equation Quadratic Formula" scaffold for further support.

$$X = \frac{-\bigcirc \pm \sqrt{\bigcirc^2 - 4 \cdot \triangle \cdot \square}}{2 \cdot \square}$$

Solutions for X

$$X = \frac{-\bigcirc + \sqrt{\quad}}{\quad}$$

X-Intercepts

$$\left( \frac{-\bigcirc + \sqrt{\quad}}{\quad}, 0 \right)$$

$$X = \frac{-\bigcirc - \sqrt{\quad}}{\quad}$$

$$\left( \frac{-\bigcirc - \sqrt{\quad}}{\quad}, 0 \right)$$