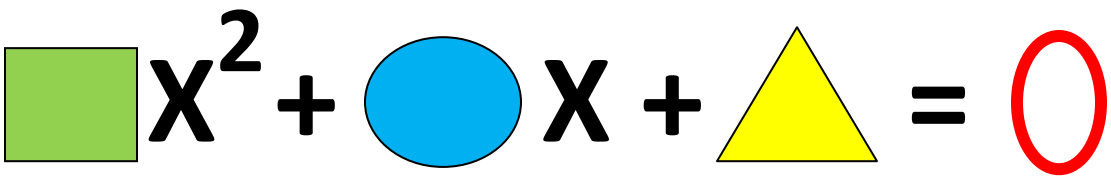
Solve Quadratic Equation: Quadratic Formula



$$\square x^2 + \bigcirc x + \triangle = 0$$

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

$$x = \frac{-\bigcirc \pm \sqrt{\quad - \quad}}{\quad}$$

$$x = \frac{-\bigcirc + \sqrt{\quad}}{\quad} \text{ or } \frac{-\bigcirc - \sqrt{\quad}}{\quad}$$

See next page for assistance in identifying solution types.

If ____ in √____ is a perfect square, the final solution will be two rational numbers.

If ____ in √____ is not a perfect square, the final solution will be two irrational numbers.

If ____ is negative, the final answer is “no real solution”.

If ____ equals 0, the final solution will be one rational number.