Solve Quadratic Equation: Quadratic Formula

$$\_\_\_X^2 + \_\_\_X + \_\_\_ = 0$$

$$X = \frac{- \_\_\_ \pm \sqrt{\_\_\_^2 - 4 \cdot \_\_\_ \cdot \_\_\_}}{2 \cdot \_\_\_}$$

$$X = \frac{- \_\_\_ \pm \sqrt{\_\_\_ - \_\_\_}}{\_\_\_}$$

$$X = \frac{- \_\_\_ + \sqrt{\_\_\_}}{\_\_\_} \text{ or } \frac{- \_\_\_ - \sqrt{\_\_\_}}{\_\_\_}$$

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.