

## Solving Quadratic Equations by USING SQUARE ROOTS

1. Isolate the variable on one side of the equation
2. Square Root both sides
3. Simplify imaginary numbers and use  $\pm$

Ex.  $x^2 = 16$

$$x^2 = -49$$

$$-7x^2 = -28$$

$$-6x^2 = 216$$

$$-2x^2 = -96$$

$$-5x^2 = -375$$

$$5x^2 + 2 = 407$$

$$-5x^2 + 2 = -18$$

$$7x^2 - 8 = 370$$

$$3x^2 + 6 = -18$$

$$64x^2 + 2 = 38$$

$$-5x^2 - 4 = 96$$