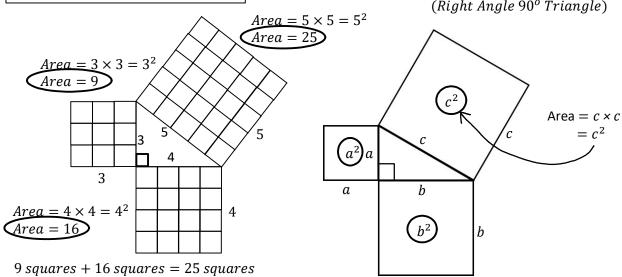
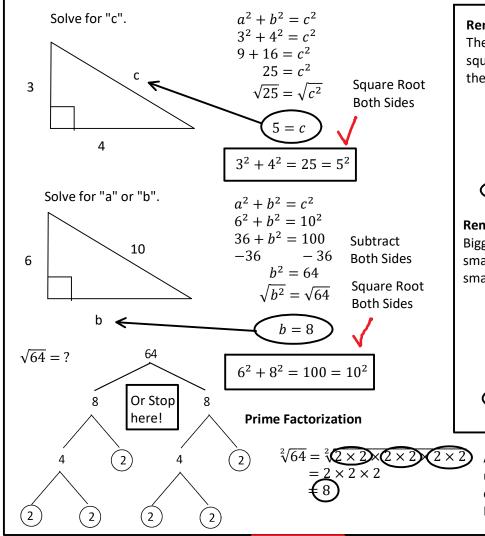
Pythagoras' Theorem: $a^2 + b^2 = c^2$

Remember: "c" is always the Hypotenuse: the longest side

(Right Angle 90° Triangle)





 $\sqrt{25} = 5$

Remember:

The Area of the two small squares adds to the area of the large square.

$$c = \sqrt{a^2 + b^2}$$

$$c = \sqrt{3^2 + 4^2}$$

$$c = \sqrt{9 + 16}$$

$$c = \sqrt{25}$$

Remember:

Biggest square minus smaller square equals other smaller square.

$$b = \sqrt{c^2 - a^2}$$

$$b = \sqrt{10^2 - 6^2}$$

$$b = \sqrt{100 - 36}$$

$$b = \sqrt{64}$$

$$b = 8$$

A pair of identical numbers under a square root: one of each comes out. Nothing is left.

Left Hand Side (Of Equal Sign) LHS = RHS Right Hand Side (Of Equal Sign)