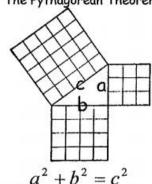
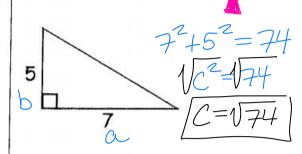
The Pythagorean Theorem

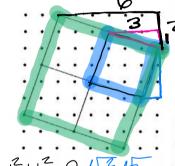


Review Question:

Find the length of the hypotenuse.



Here is a picture of 4 smaller squares in one large square.



1.) Use the Pythagorean Theorem to find the side length of one of the smaller

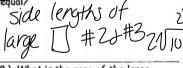
$$3^{2}+1^{2}=10$$
 $\sqrt{c^{2}}\sqrt{0}$ $C=\sqrt{10}$

2.) Based on your answer in #1, find the side length of the large square.

3.) Use the Pythagorean Theorem to find the side length of the larger square.

$$6^2 + 2^2 = 40$$
 $10^2 - 040$

hich two quantities must be



5.) What is the area of one of the small squares? (Use any method)

- 6.) What is the side length of one of the small squares?

7.) Based on your answer in #6, find the side length of the large square.

8.) What is the area of the large square?

9.) What is the side length of the one of the large square? W

$$3^{2}+3^{2}=18^{1}$$
 C=3 $\sqrt{2}$

10.) Which two quantities must be equal?

