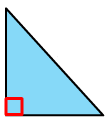
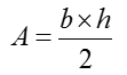
**1.2 – Pythagorean Theorem**

**Review**: Right Triangles – A triangle with a 90 degree angle. Label it!

The area of a triangle is found by:

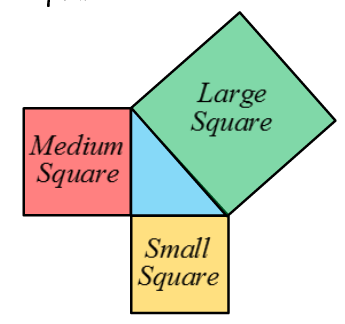


The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is the longest side.

**Pythagorean Theorem**

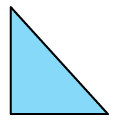
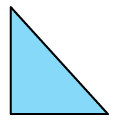
The Pythagorean Theorem works only with Right Triangles.

Rule: Each side of the triangle is used to make a square.



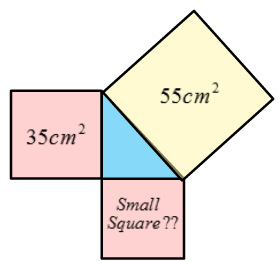
Pythagorean Rule: a2 + b2 = c2

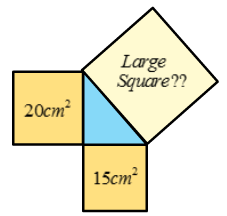
Naming the sides or a right triangle: Rule:

 a: base or height

b: base or height

c: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example: Find the area of the missing square:

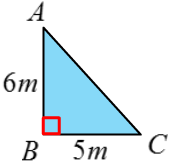


**Sides of a Right Triangle**

To find the length of a missing side

* Get the area of all 3 squares
* Square root the area of the square to find the length of the side

Ex. Find the length of AC given the other sides



Practice: Find the missing side.

