**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.

 