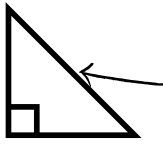


PYTHAGOREAN THEOREM

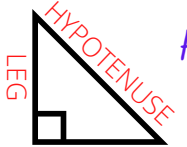
The PYTHAGOREAN THEOREM shows the relationship between the legs (shorter lengths) and the hypotenuse (longest side) of a right triangle.

A Right triangle has one angle that is 90 degrees. Take a look at the right triangles below to make sure you understand the different sides.



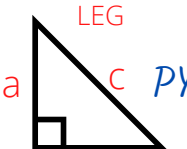
This is a right angle triangle.

One angle equals 90 degree, it is shown by a small square



HYPOTENUSE

Its always opposite the right angle, its always the longest side



PYTHAGOREAN THEOREM = $a^2 + b^2 = c^2$

USE THE PYTHAGOREAN THEOREM TO SHOW IF THE TRIANGLE IS A RIGHT ANGLE TRIANGLE

