



Geometry & Measurement Student Activity

Measurement

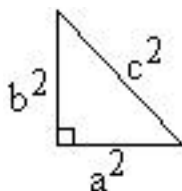
Pythagorean's Theorem states that the hypotenuse squared is equal to the sum of the squares of the legs of a right triangle.

$$A^2 + B^2 = C^2$$

C = the hypotenuse

A = one leg

B = the other leg



Given this formula, calculate the lengths of the unknown sides. Please show your work.

- Right Triangle where:
 $a = 3$; $b = 4$; $c = ?$
- Right Triangle where:
 $a = 5$; $b = ?$; $c = 6$
- Right Triangle where:
 $a = ?$; $b = 2$; $c = 4$
- Right Triangle where:
 $a = 3$; $b = ?$; $c = 5$
- Right Triangle where:
 $a = ?$; $b = 1$; $c = 2$