

Pythagorean Theorem WebQuest

Name _____ Date _____

Task 1:

Write Four Facts:

Task 2:

- 1) What is the sum of the angles of every triangle? _____
- 2) A triangle in which all the sides have the same length is called an _____ triangle.
- 3) A triangle with two sides having the same length is called an _____ triangle.
- 4) A triangle in which none of the sides have the same length is called a _____ triangle.
- 5) A triangle with a 90° angle is called a _____ triangle.
- 6) A triangle with an angle greater than 90° is called an _____ triangle.
- 7) A triangle in which none of the angles are greater than 90° is called an _____ triangle.
- 8) A triangle in which all of the angles are congruent to each other is called an _____ triangle.

Task 3:

How many triangles were you able to correctly classify in 60 seconds by their angles?

Can you beat your own record? How many did you correctly classify this time?

How many triangles were you able to correctly classify in 60 seconds by their sides?

Try it again! How many this time? _____

This one will slow you down! How many third angles were you able to correctly identify in 60 seconds? _____

Try it again! How many? _____

Task 4:

The Pythagorean Theorem is a powerful tool for finding the length of the third side of a right triangle when the other two sides are given. The Pythagorean Theorem (formula) is _____ where A and B are the _____ of the triangle and C is the _____ (always directly across from the right angle).

Task 5:

Did you solve the ladder problem? Enter the answer here. _____

Work:

Task 6:

How far did you have to throw that baseball? _____

Work: