

Pythagorean Theorem Questions 1

Name: _____ Class: _____ Date: _____

Use a ruler to draw (as accurately as possible), each of the following triangles.

1) Draw an obtuse triangle that has the shortest side as 6 cm and the second shortest side 8 cm. What is the measure of the longest side? What is the sum of the two shorter sides? What are the sum of the squares of the two shorter sides?

Side	Measure	Square of measure
Shortest		
Middle		
Longest		

2) Draw an acute triangle that has the shortest side as 6 cm and the second shortest side 8 cm. What is the measure of the missing side? What is the sum of the two shorter sides? How does the sum of the squares of the two shorter sides compare with the square of the longer side?

Side	Measure	Square of measure
Shortest		
Middle		
Longest		

3) Draw any right triangle that has legs that are whole numbers (in cm). Connect the ends to create a right triangle. Measure the longest side. Calculate what the hypotenuse should be. Is it correct? Explain.

Side	Measure	Square of measure
Shortest		
Middle		
Longest		