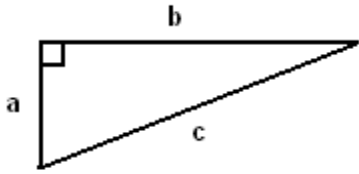


Advanced Geometry
Proofs of the Pythagorean Theorem

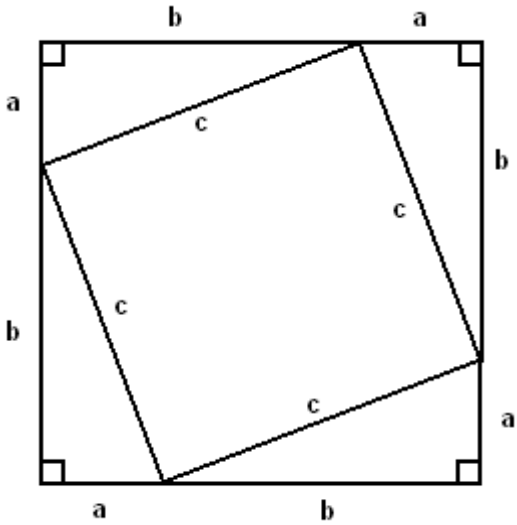
Name: _____

Given:

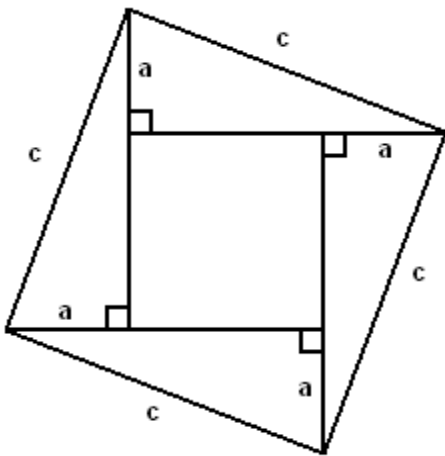


Prove:

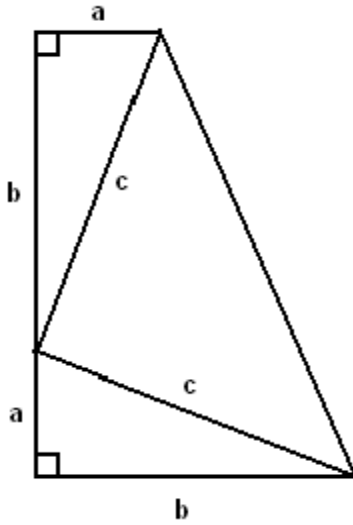
Proof #1:



Proof #2:



Proof #3:



**** One other handy item with the Pythagorean Theorem!**

How to tell if a triangle is acute, right, or obtuse...

- ▶ Order the three side lengths from smallest to largest ($a < b < c$)
 - ▶ For the triangle to be an acute triangle,
 - ▶ For the triangle to be a right triangle,
 - ▶ For the triangle to be an obtuse triangle,