Date	Math	105 Activity You	r Names	
	The Pytha	agorean Theorem		
	he triangle. Suppos		•	and three squares, one for b , and c . (The hypotenuse
		the two smaller square? Ans		gle square.
Record below	the pattern you us	se in the square label	ed A.	
What is the le	ength of one side of	the largest square to a fithis square? Ans		uare.
record the pe	attern you use belov	w in the square moen	cu B.	
			u.	
	A			В

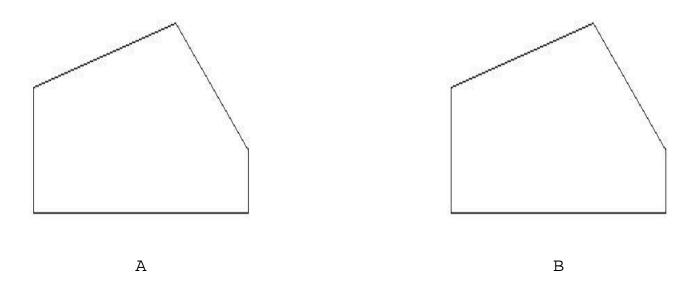
II. For this activity you will work with **two** congruent right triangles and the same three squares, one for each side of the triangle.

A. Use two triangles and the two smaller squares to make a single pentagon. Record below the pattern you use on the pentagon labeled A.

What are the lengths of the sides of the pentagon? Ans._____

B. Use two triangles and the largest square to make a single pentagon. Record below the pattern you use on the pentagon labeled B.

What are the lengths of the sides of the pentagon? Ans.



III. Using either Activity I or II, write an explanation of why this activity shows that the area of the largest square is the same as the area of the two smaller squares combined.