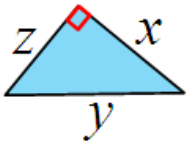
Name:_____ Date:_____

Math 8 Section 7.2 What is the Pythagorean Theorem:

1. Given each right triangle, indicate which side is the hypotenuse:

a)



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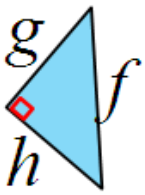

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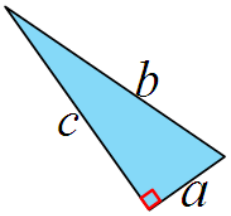

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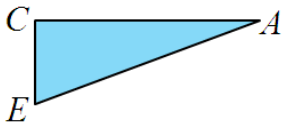

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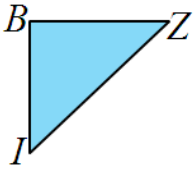

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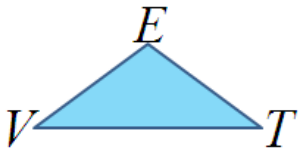
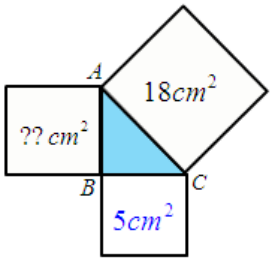
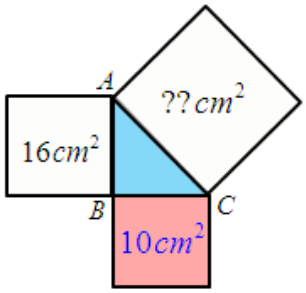
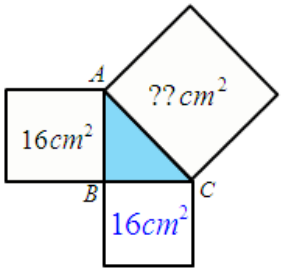


2. Given the following triangles, find the area of the unknown square:

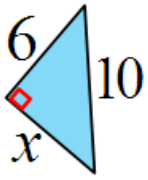






3. Given each right triangle, find the length of the missing side "x"

a)



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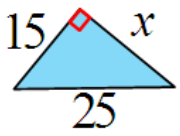

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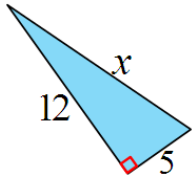

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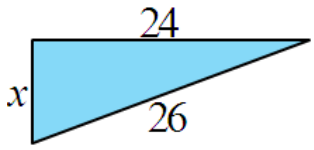
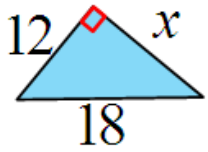
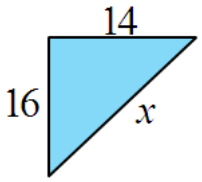
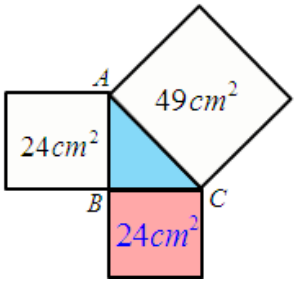
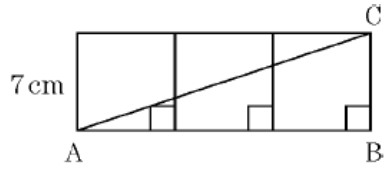
d)	e)	f)
		

4. What type of a triangle will the Pythagorean theorem work?

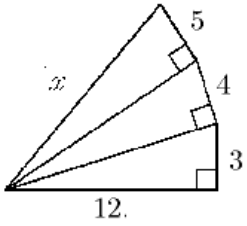
5. Given the following diagram, is the triangle in the middle a right triangle?



6. Given the diagram below, if the length of each square is 7cm long, what is the length of AC?



7. Find the length of "x" in the following diagram:



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