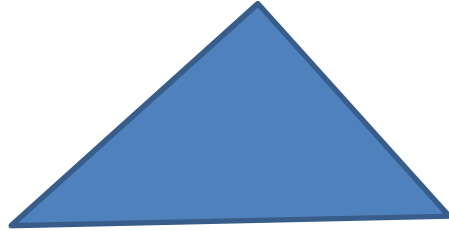


Station 3: Proving the Theorem

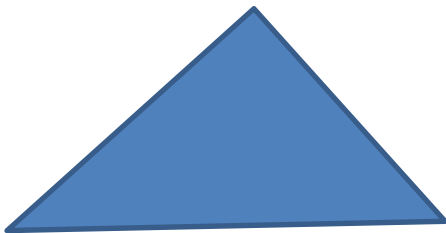
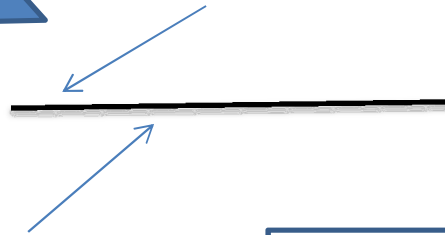
Use the link on our class website to watch the animation.

Materials: Graph paper, marker, pencil, scissors.

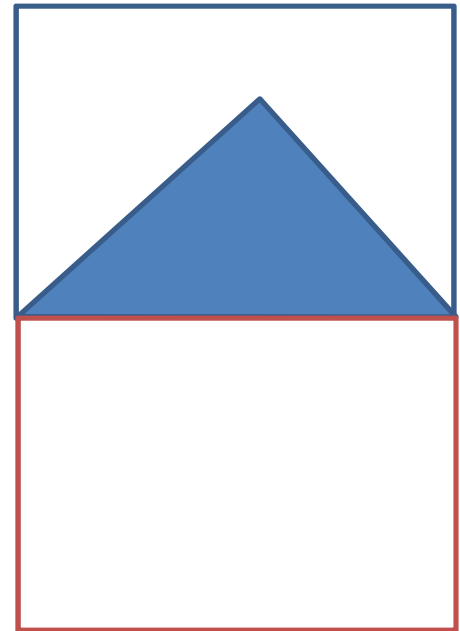
1. Draw a right triangle with the hypotenuse as the base and the right angle at the apex:



This line has two sides.
It represents the
hypotenuse of the right
triangle.



USE a PENCIL to make a SQUARE from
each SIDE of the hypotenuse



2. Draw lines as shown on
the animation, like this



- Cut along the lines to make (5) shapes.
- Arrange them into two smaller squares, proving that the area of one large square is equal to the area of the two smaller squares.

