7.3 Use Similar Right Triangles

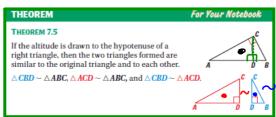


You identified the altitudes of a triangle

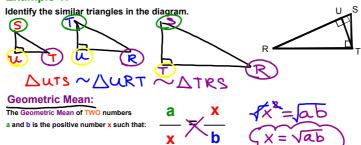
You will use properties of the altitude of a right triangle.

So you can determine the height of a wall, as in Example 6.

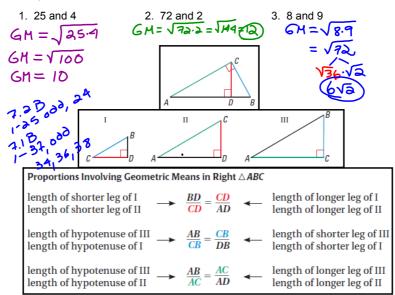




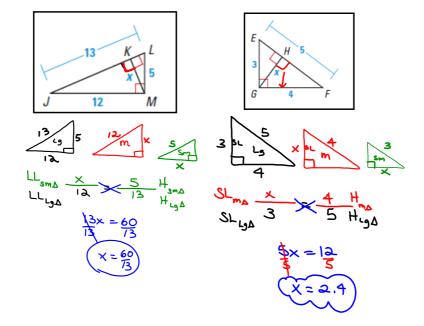
Example 1:



Example 2: Find the Geometric Mean of the numbers:



Example 3: Find the altitude of the Large Triangle.



Example 4:Swimming Pool The diagram shows a cross-section of a swimming pool. What is the maximum depth of the pool?



