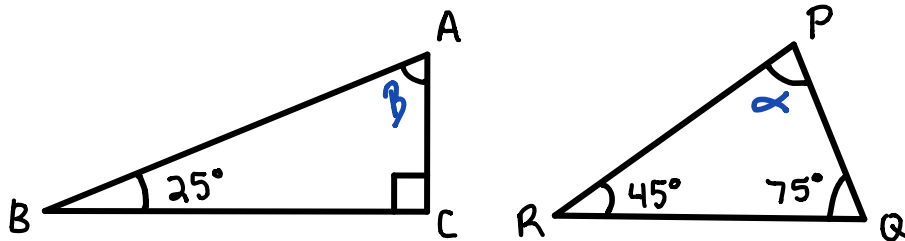
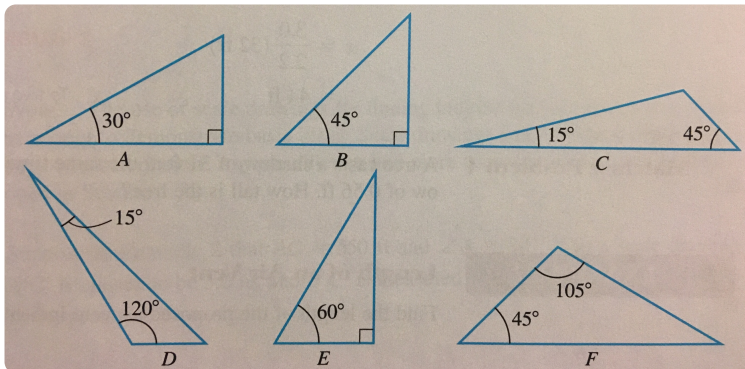


Video Quiz 1

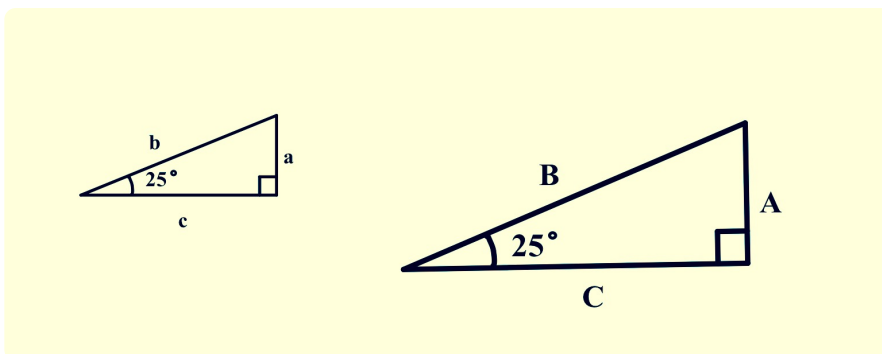
1. _____ was a Greek mathematician who is most famous for writing _____, a collection of thirteen books on geometry, geometric algebra, and number theory.
2. In an equilateral triangle, each angle has a measure of 60 degrees. Consider the following statements about equilateral triangles.
 - True or False: Equilateral Triangles are also right triangles
 - True or False: Equilateral Triangles are also acute triangles
 - True or False: Equilateral Triangles are also scalene triangles
 - True or False: Equilateral Triangles are also isosceles triangles
3. True or False: The sum of the angles of a triangle is 360 degrees.
4. Identify the measure of the missing angle in each triangle below.



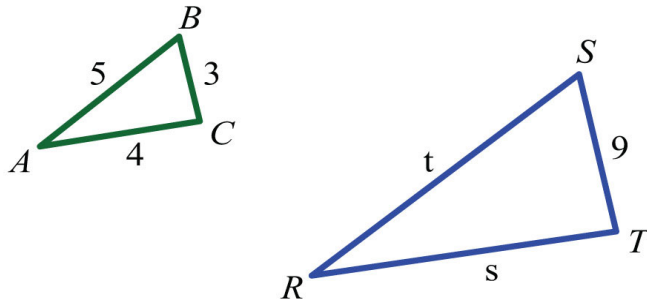
5. Identify which of the pairs of triangles below are similar by matching.



6. Suppose $a = 0.47$, $b = 1.0$, and $c = 1.1$. If $C = 51$, find B . Round your answer to the nearest decimal place. (E.g. 7.4890 rounds to 7.5)



7. If the two triangles below are similar, find the missing side lengths s and t .



8. The two triangles below are similar, find the missing side length x . Round your answer to the nearest decimal place. E.g. 7.4890 rounds to 7.5.)

