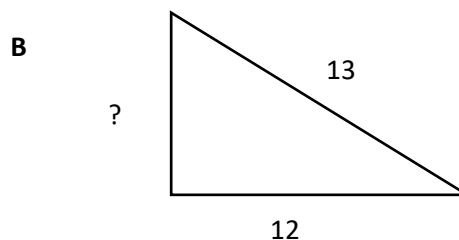
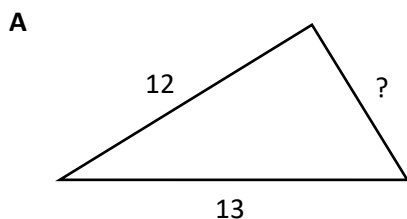


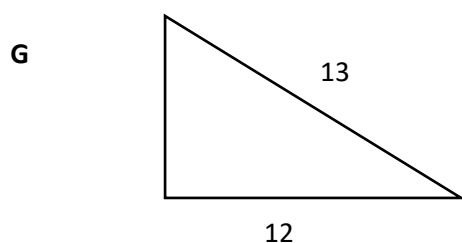
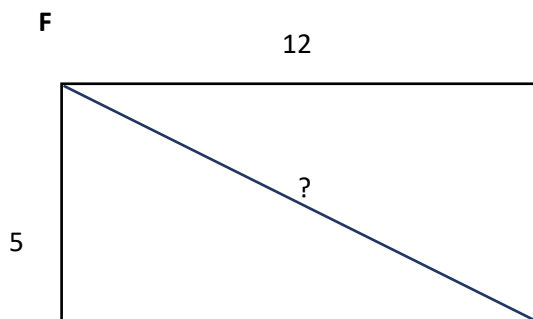
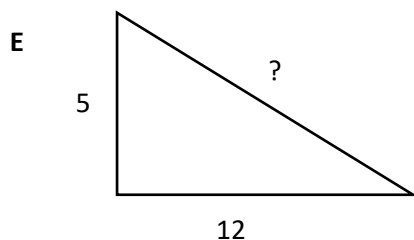
Activity 3 Demand

Put these questions, based on Pythagoras, in order of increasing demand. (A, B, E and G are right-angles triangles. F is a rectangle)



C A rectangle has sides of length 5 cm and 12 cm. Find the length of a diagonal.

D Starting from home, Kareem walks 5 km East and then turns and walks 12 km South to his cousin's house. How far is his cousin's house from Kareem's home?



Find the area of this triangle.

H Is there a unique right-angled triangle which satisfies both of the following conditions?

It has an area of 30 cm^2

It has a perimeter of 30 cm