

Name _____

Date _____

Math 8

Geometry 10

Similar Triangles - A focus on proportional sides

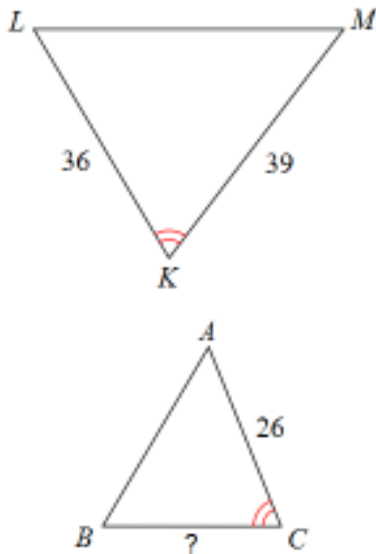
If polygons are similar, their sides are proportional

Important

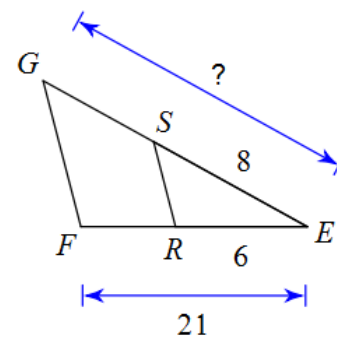
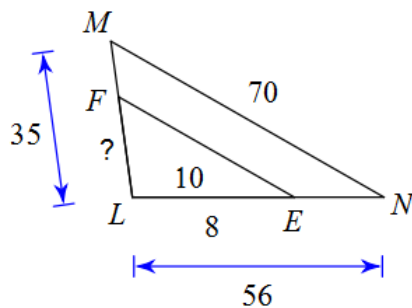
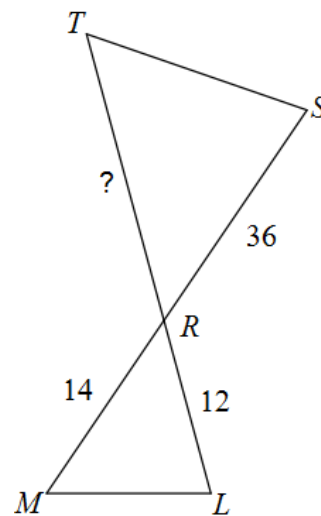
Model Problems:

Find the missing length IF the triangles are similar.

$$\triangle KLM \sim \triangle CBA$$

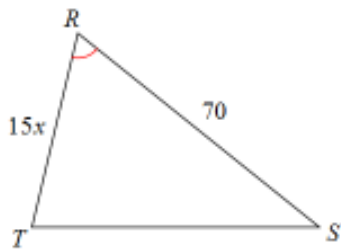
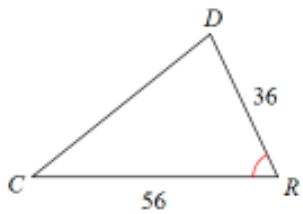


$$\triangle RST \sim \triangle RLM$$

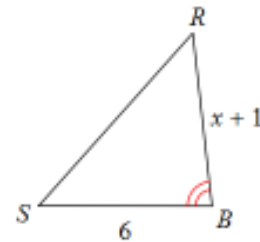
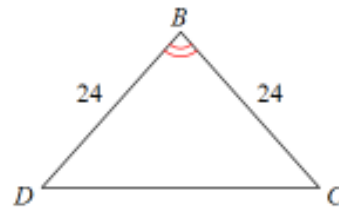


Given the triangles are similar, find the value of x .

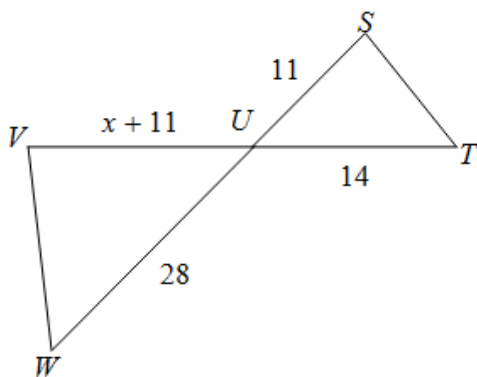
$$\triangle RST \sim \triangle RCD$$



$$\triangle BCD \sim \triangle BSR$$



$$\triangle UVW \sim \triangle UST$$



$$\triangle BCD \sim \triangle BFG$$

