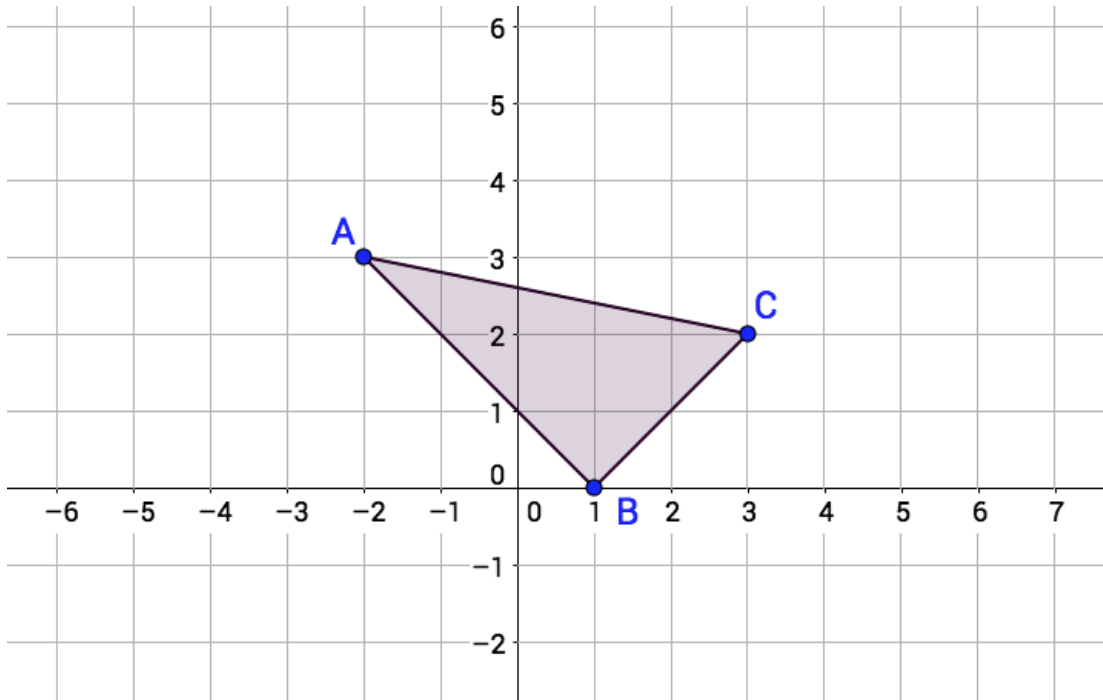


SRT-A1

Practice Assessment

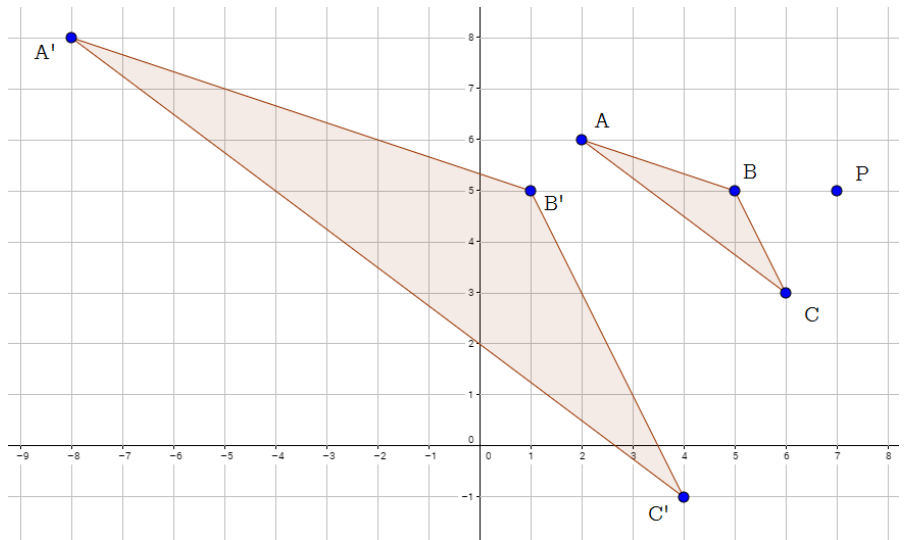
1. Dilate $\triangle ABC$ about the origin with scale factor 2 to create $\triangle A'B'C'$.



2. $\triangle ABC$ above has an area of 6 square units. What is the area of $\triangle A'B'C'$ after the dilation of factor 2?

SRT-A1b

3. $\triangle A'B'C'$ is a dilation of $\triangle ABC$ with center of dilation P as shown. What is the scale factor of this dilation?

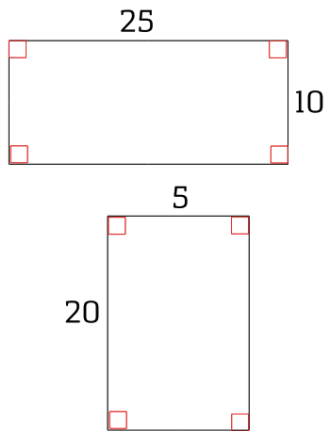


CO-A2B

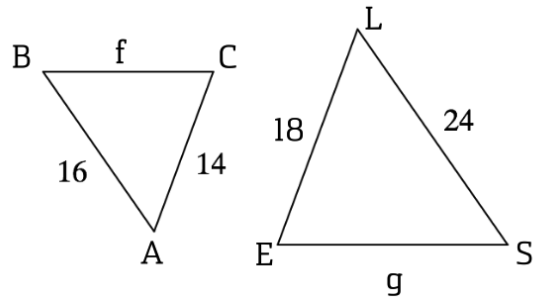
4. Explain how a dilation is different than a rotation. Be specific.

SRT-A2a

5. Are the figures below similar? Explain why or why not and give numerical justification.



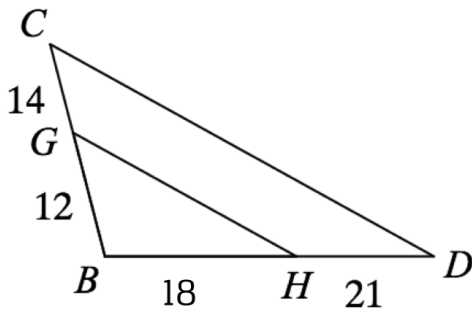
6. Given $\triangle ABC \sim \triangle SLE$. Find the values of f and g .



SRT-A3

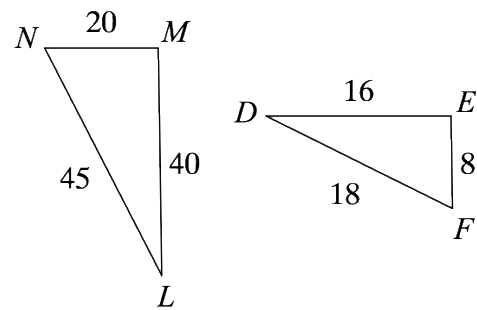
In each pair below, explain why the triangles are similar. Then, complete the similarity statement.

7.



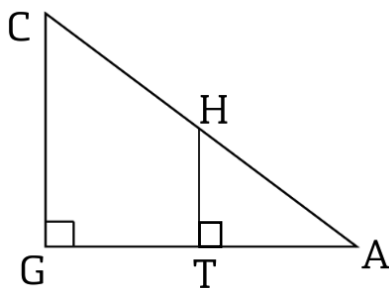
$\triangle BCD \sim \triangle$ ___

9.



$\triangle LMN \sim$ _____

8.



$\triangle HAT \sim \triangle$ ___