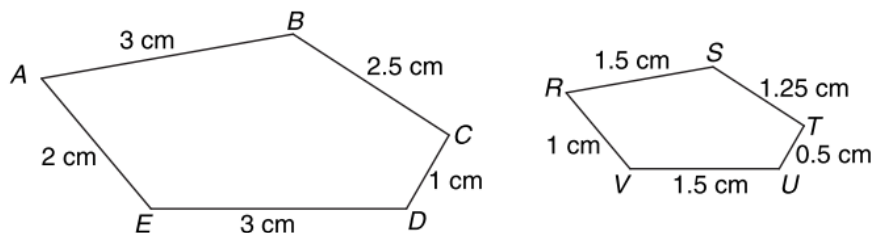


Determining Similarity with Side Lengths

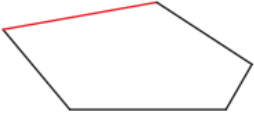
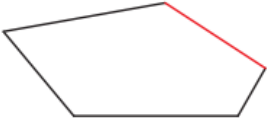
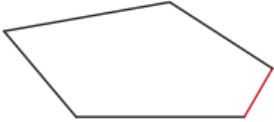
- The corresponding angles in both polygons are congruent. Using corresponding side length ratios, determine if the polygons are similar.



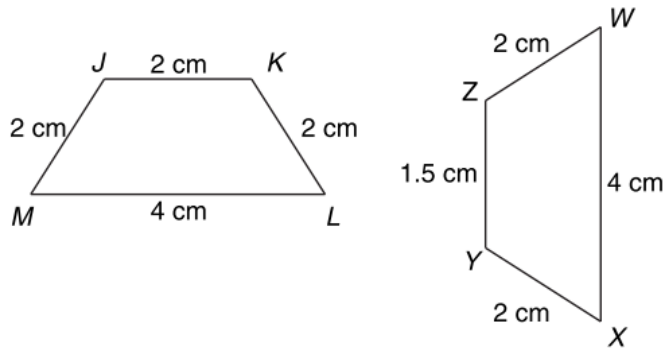
Step 1: Identify all corresponding sides.

Relative Position	Polygon ABCDE	Corresponding side on Polygon RSTUV

Step 2: Calculate each of the corresponding side length ratios, and compare.

Relative Position	<u>Polygon ABCDE</u> Polygon RSTUV	Corresponding side length ratio
		
		
		
		
		

2. The corresponding angles in both polygons are congruent. Using corresponding side length ratios, determine if the polygons are similar.



Relative Position	Polygon JKLM	Corresponding side on Polygon YZWX

Step 2: Calculate each of the corresponding side length ratios, and compare.

Relative Position	<u>Polygon JKLM</u> Polygon YZWX	Corresponding side length ratio