

CUT & PASTE Activity

Similar Triangles

Name: _____

SSS~

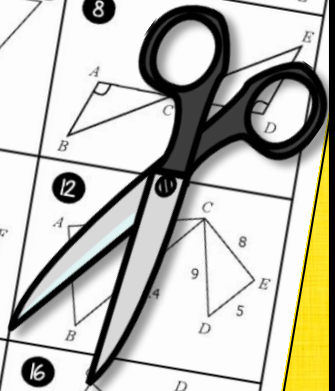
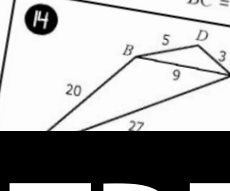
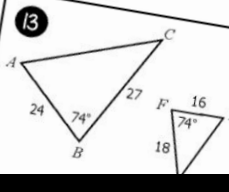
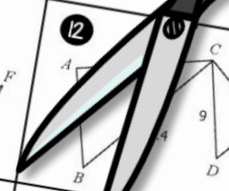
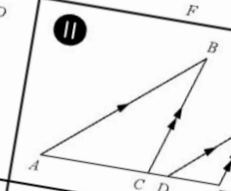
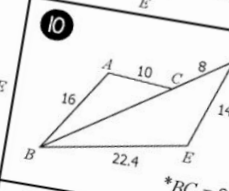
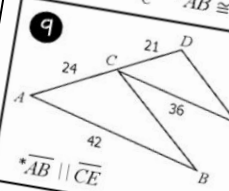
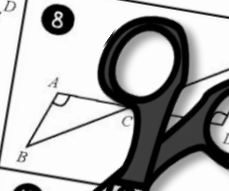
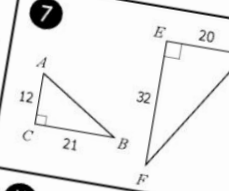
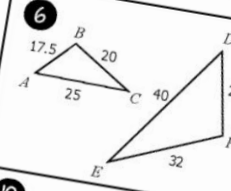
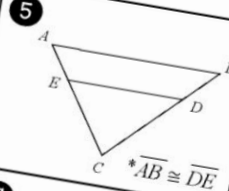
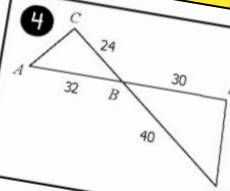
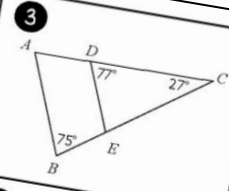
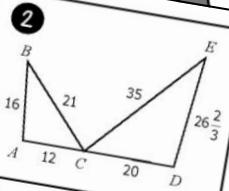
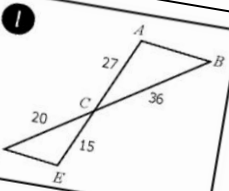
SAS~

AA~

$\triangle ABC \sim \triangle DFE$

$\triangle ABC \sim \triangle EDC$

$\triangle ABC \sim \triangle EBD$



SIMILAR TRIANGLES {SSS, SAS, & AA Similarity}

Created by: ALL THINGS ALGEBRA®

Similar Triangles

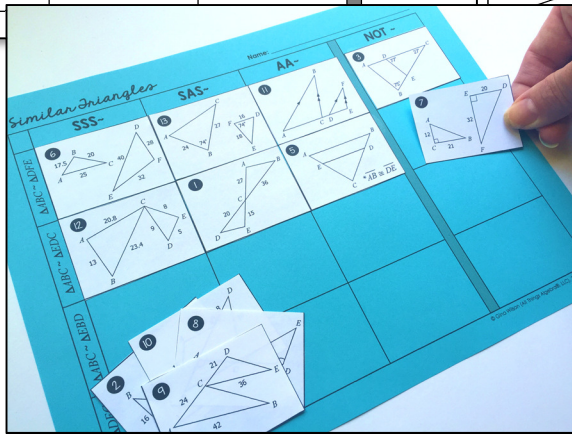
SORT, CUT, AND PASTE ACTIVITY

Objective: To determine whether triangles are similar by Side-Side-Side (SSS), Side-Angle-Side (SAS), or Angle-Angle (AA) Similarity. Students will also have to identify the correct similarity statement that matches the triangles. This activity was created for a high school level geometry class.

Directions:

- 1) Copy enough templates (page 3) and diagrams (page 4) for each student. I typically print the template on colored paper and the diagrams on white paper. This is optional and only makes it pop!
- 2) Students cut out the 16 diagrams and sort them by their similarity using the markings and given information. Once sorted by similarity, they then match each diagram to the corresponding similarity statement to the left.
- 3) Students arrange the diagrams on the template, then paste them down. Because of the similarity statements, there is only ONE correct answer to this activity. I numbered the diagrams so it will be easier to check their work.

Similar Triangles		Name: _____			
	SSS~	SAS~	AA~	NOT ~	
$\triangle ABC \sim \triangle DFE$					
$\triangle ABC \sim \triangle DEC$					
$\triangle ABC \sim \triangle ABD$					
$\triangle ABC \sim \triangle DEC$					



Cut out the 16 diagrams, sort, then paste on the template by similarity and similarity statement.