7.3 & 7.4 SIMILARITY BY AA, SSS, & SAS



•Same _____, different _____ •Corresponding angles are _____ •Corresponding sides are _____



If ______ angles in one triangle are congruent to ______ angles in another triangle, then the

triangles are _





Determine whether the triangles are similar. If they are, write a similarity statement. Explain your reasoning.



Show (or prove) that the two triangles are similar.



4) Determine if it is possible for ΔHJK and ΔPQR to be similar. Explain your reasoning.

$$m \angle H = 100^\circ, m \angle K = 46^\circ, m \angle P = 44^\circ, \text{and } m \angle Q = 46^\circ$$

5) determine whether $\triangle RST$ is similar to $\triangle ABC$.







6) Find the value of x that makes $\triangle RST \sim \triangle HGK$.

