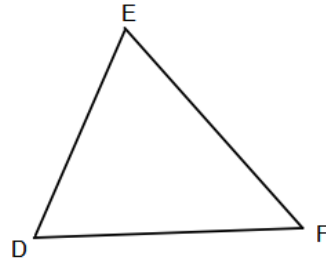
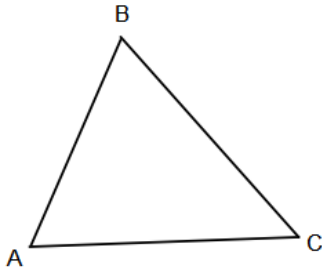
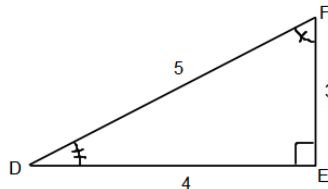
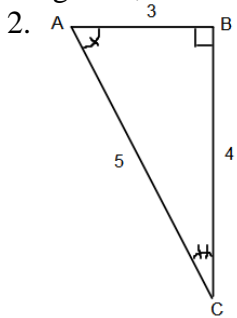


Two shapes are **Congruent** if all corresponding sides and all corresponding angles are congruent. Congruency is represented with the symbol \cong

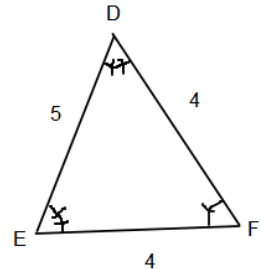
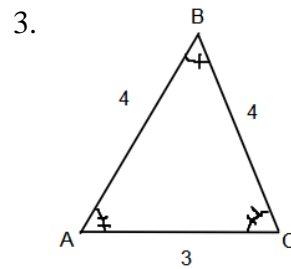
1. $\triangle ABC \cong \triangle DEF$. Name all the congruent sides and angles.



Determine if the following triangles are congruent or not by listing all congruent parts. If the triangles are congruent, name their congruency and list the transformation.



$\triangle ABC \cong$ _____ by _____



$\triangle ABC \cong$ _____ by _____

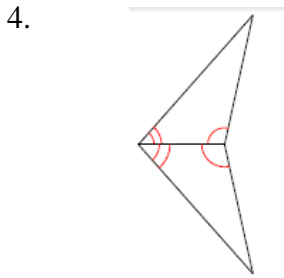
Triangles can be shown to be congruent even without knowing all sides and angles.

Angle-Side-Angle and Angle-Angle-Side are two ways to prove triangle congruence and draw an example for each way

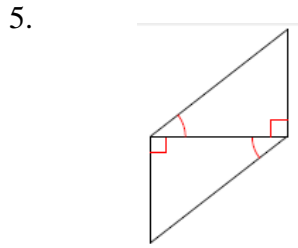
Angle-Side-Angle (ASA)

Angle-Angle-Side (AAS)

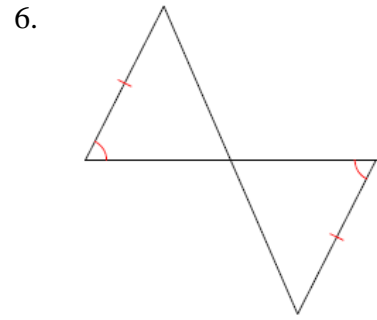
Decide if the following triangles are congruent using ASA or AAS. If there isn't enough information to decide, write "Not Enough Info." If the triangles are congruent, tell which congruency rule you used.



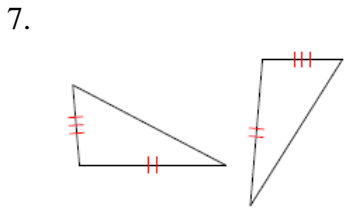
$\triangle ABC \approx$ _____ by _____



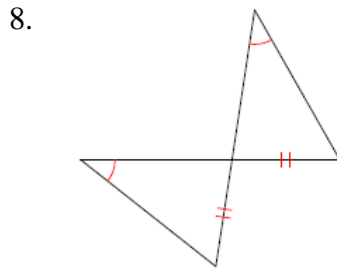
$\triangle ABC \approx$ _____ by _____



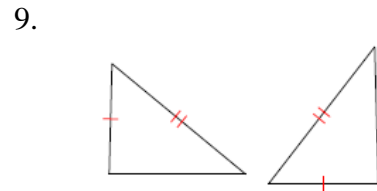
$\triangle ABC \approx$ _____ by _____



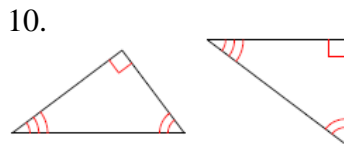
$\triangle ABC \approx$ _____ by _____



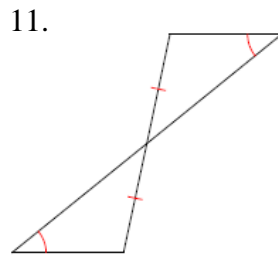
$\triangle ABC \approx$ _____ by _____



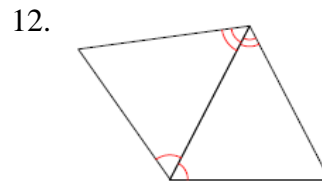
$\triangle ABC \approx$ _____ by _____



$\triangle ABC \approx$ _____ by _____



$\triangle ABC \approx$ _____ by _____



$\triangle ABC \approx$ _____ by _____

