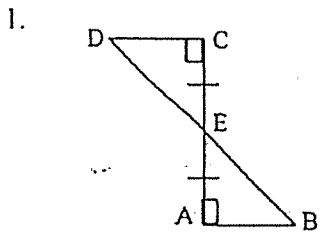


Name: _____

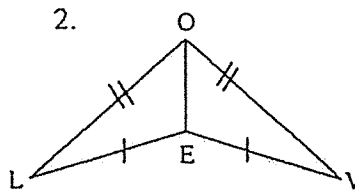
Triangle Congruency Using SSS, SAS, ASA, and AAS Postulates and Theorem.

Look at the following pairs of triangles.

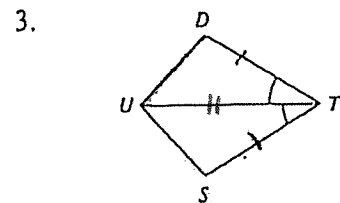
- 1) Mark each picture shared sides or vertical angles or the given information.
- 2) Determine if the triangles are congruent. If they are then write the congruency statement. (write a two column proof)
- 3) If the triangles are not congruent, write not possible.



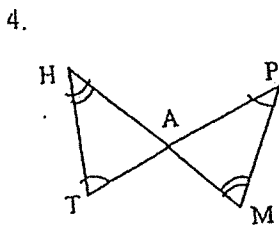
- a. $\angle CED \cong \angle AEB$
- b. $\triangle DCE \cong \triangle AEB$
- c. ASA



- a. $\overline{OE} \cong \overline{OE}$
- b. $\triangle LOE \cong \triangle VOE$
- c. SSS

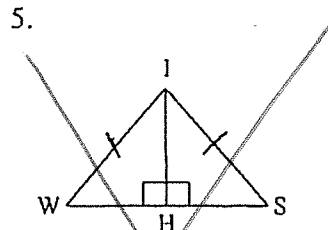


- a. $\overline{UT} \cong \overline{UT}$
- b. $\triangle TDU \cong \triangle TSU$
- c. SAS

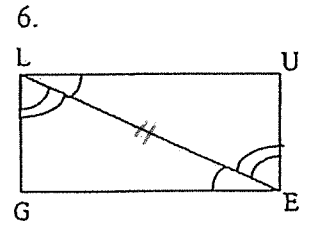


Not possible

- a. _____
- b. $\triangle _ \cong \triangle _$
- c. _____



- a. _____
- b. $\triangle _ \cong \triangle _$
- c. _____



- a. $\overline{LE} \cong \overline{LE}$
- b. $\triangle LGE \cong \triangle LUE$
- c. ASA