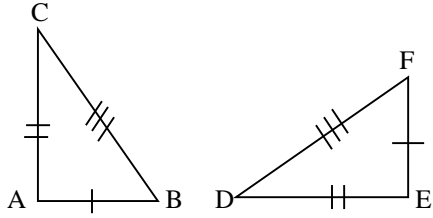


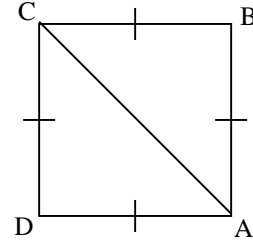
14.4 Triangles: Congruent or Not?

For each pair of triangles, tell which postulates, **if any**, make the triangles congruent.

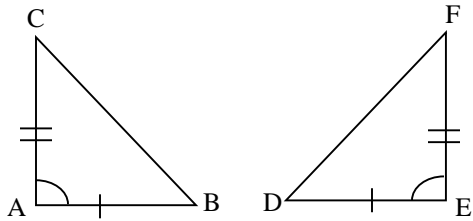
1. $\triangle ABC \cong \triangle EFD$ _____



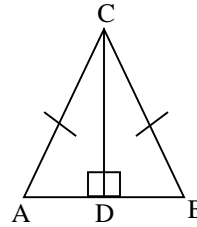
2. $\triangle ABC \cong \triangle CDA$ _____



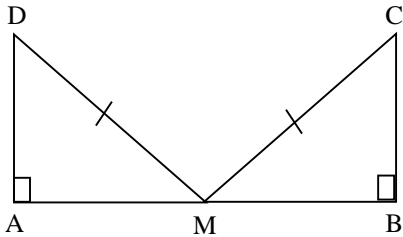
3. $\triangle ABC \cong \triangle EFD$ _____



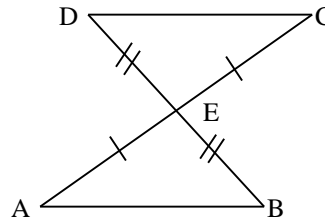
4. $\triangle ADC \cong \triangle BDC$ _____



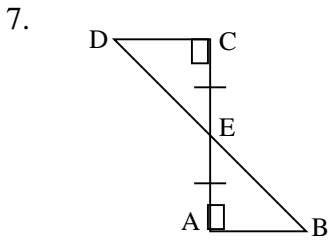
5. $\triangle MAD \cong \triangle MBC$ _____



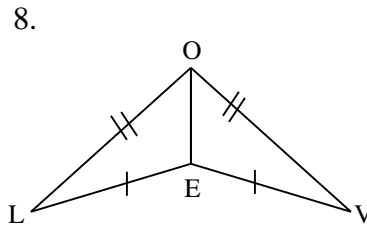
6. $\triangle ABE \cong \triangle CDE$ _____



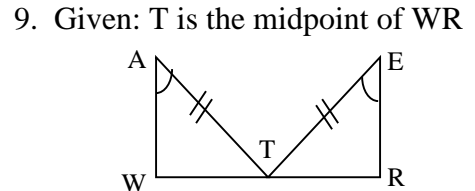
II. For each pair of triangles, tell: (a) Are they congruent (b) Write the triangle congruency statement. (c) Give the postulate that makes them congruent.



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

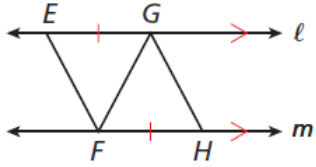


- a. _____
 b. \triangle _____ \cong \triangle _____
 c. _____



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

10.

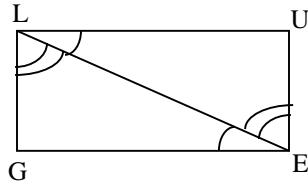


a. _____

b. Δ _____ \cong Δ _____

c. _____

11.

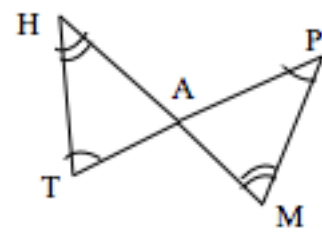


a. _____

b. Δ _____ \cong Δ _____

c. _____

12.



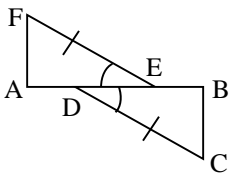
a. _____

b. Δ _____ \cong Δ _____

c. _____

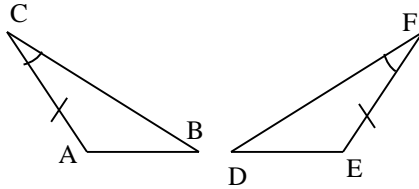
III. Using the given postulate, tell which parts of the pair of triangles should be shown congruent.

13. SAS



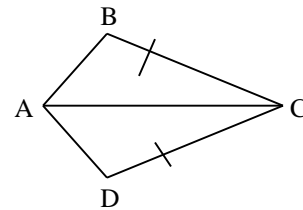
_____ \cong _____

14. ASA



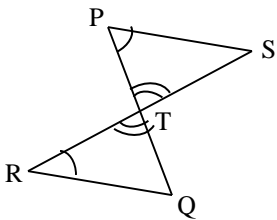
_____ \cong _____

15. SSS



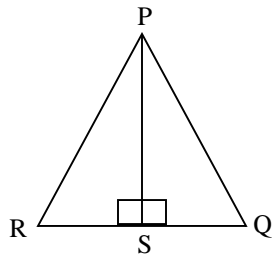
_____ \cong _____

16. AAS



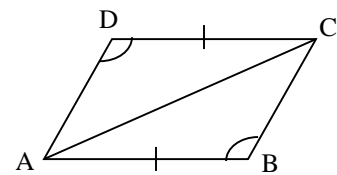
_____ \cong _____

17. HL



_____ \cong _____

18. ASA



_____ \cong _____