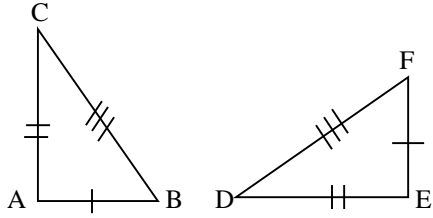


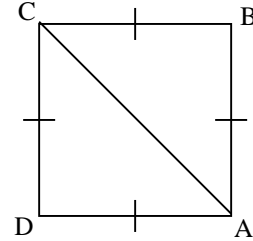
### 16.4 Triangles: Congruent or Not?

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

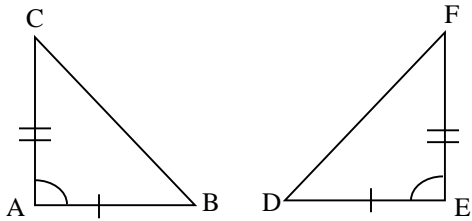
1.  $\triangle ABC \cong \triangle EFD$  \_\_\_\_\_



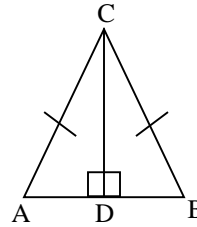
2.  $\triangle ABC \cong \triangle CDA$  \_\_\_\_\_



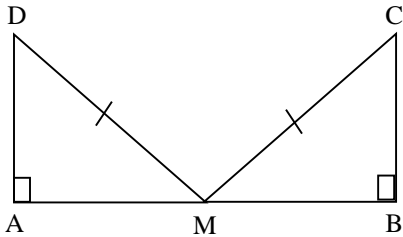
3.  $\triangle ABC \cong \triangle EFD$  \_\_\_\_\_



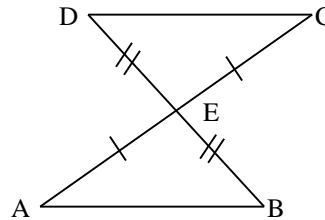
4.  $\triangle ADC \cong \triangle BDC$  \_\_\_\_\_



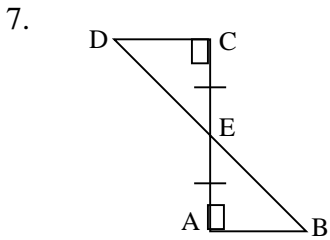
5.  $\triangle MAD \cong \triangle MBC$  \_\_\_\_\_



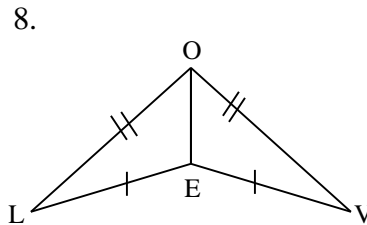
6.  $\triangle ABE \cong \triangle CDE$  \_\_\_\_\_



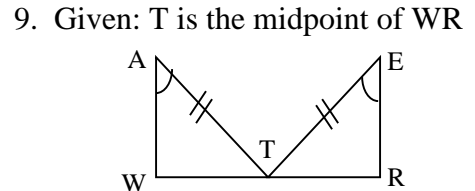
II. For each pair of triangles, tell: (a) Are they congruent (b) Write the triangle congruency statement. (c) Give the postulate that makes them congruent.



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

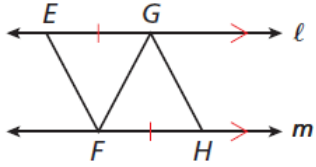


- a. \_\_\_\_\_  
 b.  $\triangle$  \_\_\_\_\_  $\cong$   $\triangle$  \_\_\_\_\_  
 c. \_\_\_\_\_



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

10.

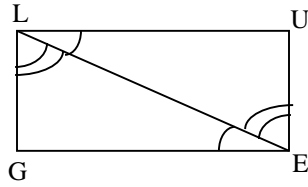


a. \_\_\_\_\_

b.  $\Delta$  \_\_\_\_\_  $\cong$   $\Delta$  \_\_\_\_\_

c. \_\_\_\_\_

11.

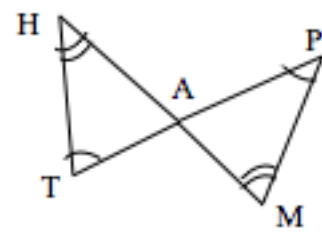


a. \_\_\_\_\_

b.  $\Delta$  \_\_\_\_\_  $\cong$   $\Delta$  \_\_\_\_\_

c. \_\_\_\_\_

12.



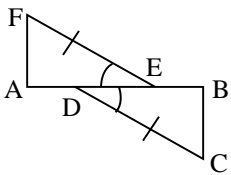
a. \_\_\_\_\_

b.  $\Delta$  \_\_\_\_\_  $\cong$   $\Delta$  \_\_\_\_\_

c. \_\_\_\_\_

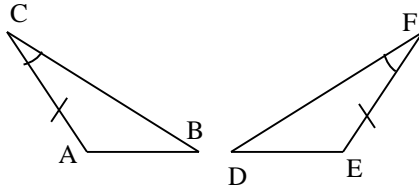
III. Using the given postulate, tell which parts of the pair of triangles should be shown congruent.

13. SAS



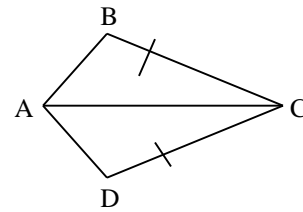
\_\_\_\_\_  $\cong$  \_\_\_\_\_

14. ASA



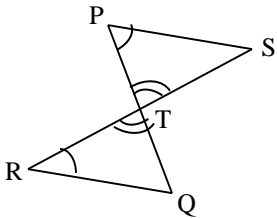
\_\_\_\_\_  $\cong$  \_\_\_\_\_

15. SSS



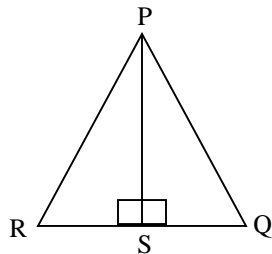
\_\_\_\_\_  $\cong$  \_\_\_\_\_

16. AAS



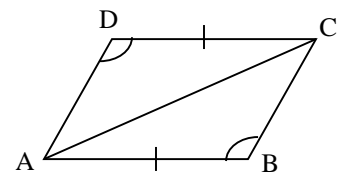
\_\_\_\_\_  $\cong$  \_\_\_\_\_

17. HL



\_\_\_\_\_  $\cong$  \_\_\_\_\_

18. ASA



\_\_\_\_\_  $\cong$  \_\_\_\_\_