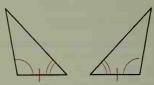
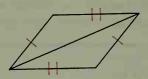
Can the two triangles be proved congruent? If so, what postulate can be used?

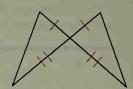
4.



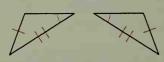
5.



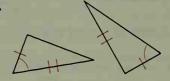
6.



7.



8.



9.



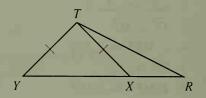
10. Explain how you would prove the following.

Given:  $\overline{HY} \cong \overline{LY}$ ;  $\overline{WH} \parallel \overline{LF}$ 

Prove:  $\triangle WHY \cong \triangle FLY$ 



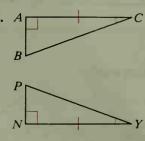
- 11. a. List two pairs of congruent corresponding sides and one pair of congruent corresponding angles in  $\triangle YTR$  and  $\triangle XTR$ .
  - **b.** Notice that, in each triangle, you listed two sides and a *nonincluded* angle. Do you think that SSA is enough to guarantee that two triangles are congruent?



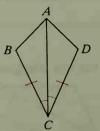
## **Written Exercises**

Decide whether you can deduce by the SSS, SAS, or ASA Postulate that another triangle is congruent to  $\triangle ABC$ . If so, write the congruence and name the postulate used. If not, write no congruence can be deduced.

A



2.



3.

