Practice 8-1

Mixed Exercises

Decide whether you can use the SSS or SAS Postulate to prove the triangles congruent. If so, write the congruence and identify the postulate. If not, write *not possible.*

1.

2.

3.

4.

5.

6.

7.

8.

9.

10.

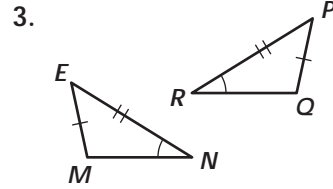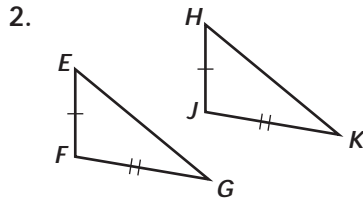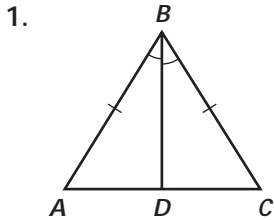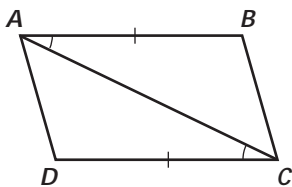**11.**

12.
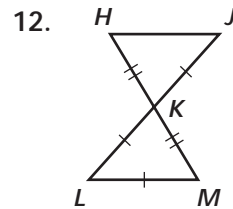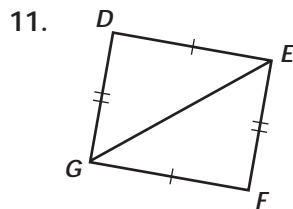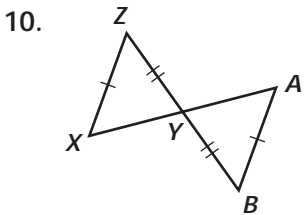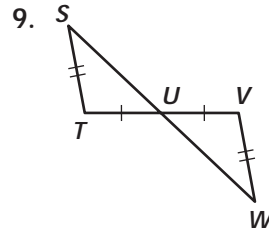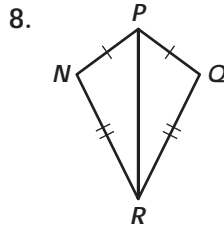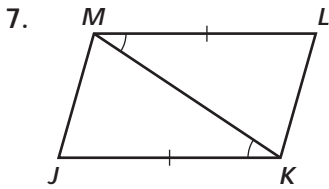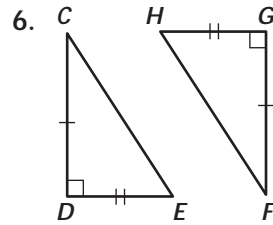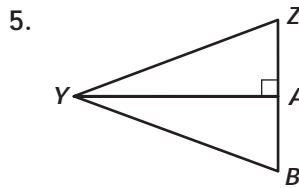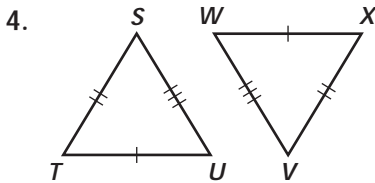
Write a two-column proof.

13. Given: $\overline{AB} \cong \overline{DC}$, $\angle BAC \cong \angle DCA$

Prove: $\triangle ABC \cong \triangle CDA$

14. Given: $\overline{EF} \cong \overline{FG}$, $\overline{DF} \cong \overline{FH}$

Prove: $\triangle DFE \cong \triangle HFG$