Practice 8-4
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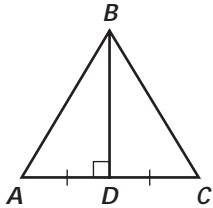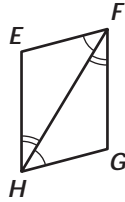## *Mixed Exercises*

Explain how you would use SSS, SAS, ASA, AAS, or HL with CPCTC to prove each statement.

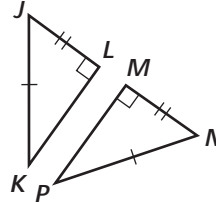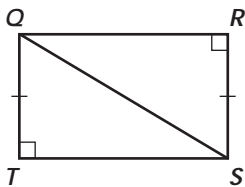**1.** $\angle A \cong \angle C$

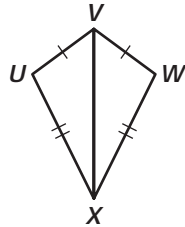**2.** $\overline{HE} \cong \overline{FG}$

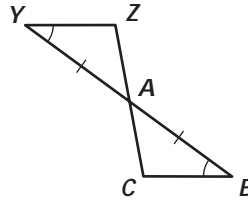**3.** $\angle K \cong \angle P$

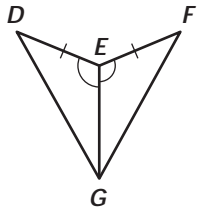**4.** $\angle QST \cong \angle SQR$

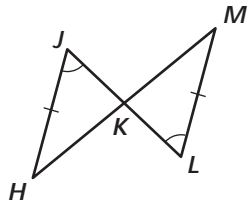
5. $\angle U \cong \angle W$

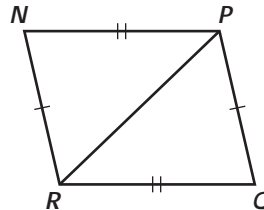**6.** $\overline{ZA} \cong \overline{AC}$

7. $\overline{FG} \cong \overline{DG}$

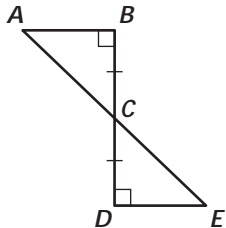**8.** $\overline{JK} \cong \overline{KL}$

9. $\angle N \cong \angle Q$

Give a plan for a proof.

10. Given: $\overline{BD} \perp \overline{AB}, \overline{BD} \perp \overline{DE}, \overline{BC} \cong \overline{CD}$

Prove: $\angle A \cong \angle E$

11. Given: $\overline{FJ} \cong \overline{GH}, \angle JFH \cong \angle GHF$

Prove: $\overline{FG} \cong \overline{JH}$