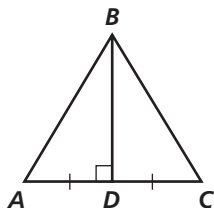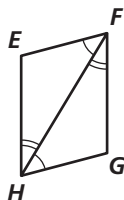# Practice 4-4

**Using Congruent Triangles: CPCTC**

**Explain how you can use SSS, SAS, ASA, or AAS with CPCTC to prove each statement true.**
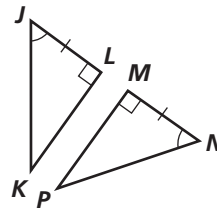
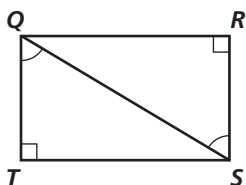**1.** $\angle A \cong \angle C$


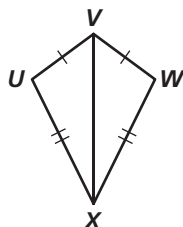
**2.** $\overline{HE} \cong \overline{FG}$



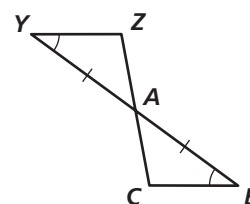**3.** $\angle K \cong \angle P$
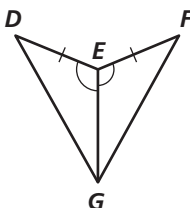


**4.** $\angle QST \cong \angle SQR$
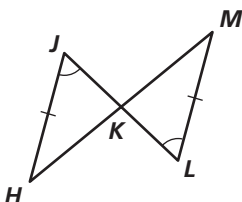


**5.** $\angle U \cong \angle W$



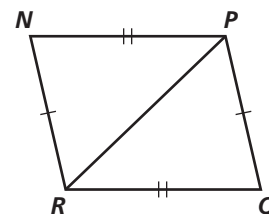**6.** $\overline{ZA} \cong \overline{AC}$



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



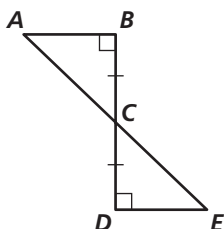**8.** $\overline{JK} \cong \overline{KL}$



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



**Write a Plan for 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: $\overline{FG} \cong \overline{JH}$