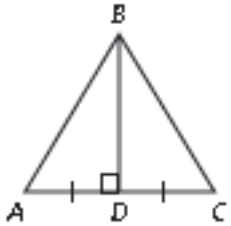
Name_____ Class_____ Date_____

Practice 4-4

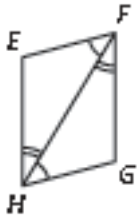
Using Congruent Triangles: CPCTC

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

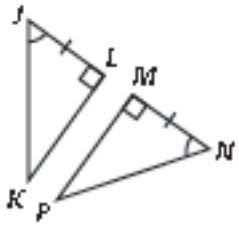
1. $\angle A \cong \angle C$



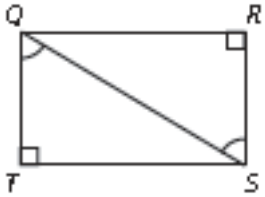
2. $\overline{HE} \cong \overline{FG}$



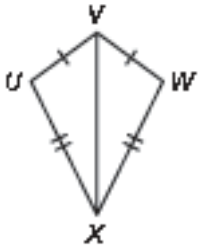
3. $\angle K \cong \angle P$



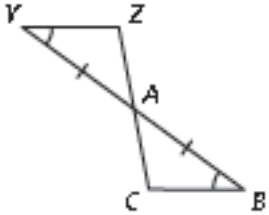
4. $\angle QST \cong \angle SQR$



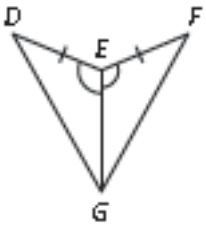
5. $\angle U \cong \angle W$



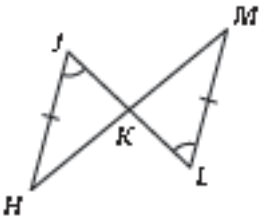
6. $\overline{ZA} \cong \overline{AC}$



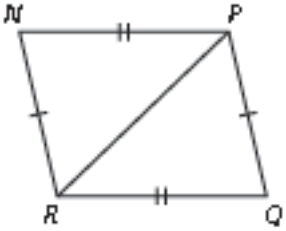
7. $\overline{FG} \cong \overline{DG}$



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



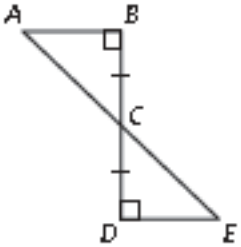
9. $\angle N \cong \angle Q$



Write a Plan for Proof.

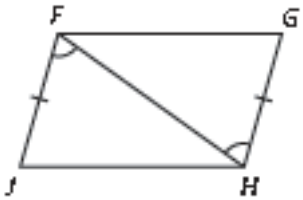
10. Given: $\overline{BD} \perp \overline{AB}$, $\overline{BD} \perp \overline{DE}$, $\overline{BC} \cong \overline{CD}$

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



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

Prove: $FG \cong JH$



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