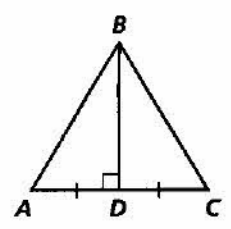


# Practice 4-4

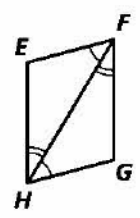
## Using Congruent Triangles: CPCTC

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

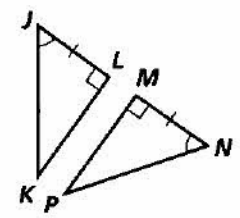
1.  $\angle A \cong \angle C$



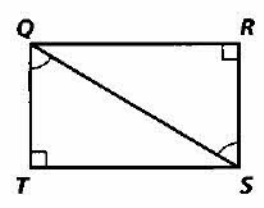
2.  $\overline{HE} \cong \overline{FG}$



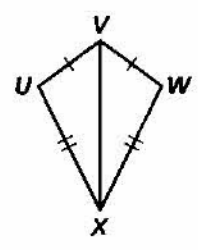
3.  $\angle K \cong \angle P$



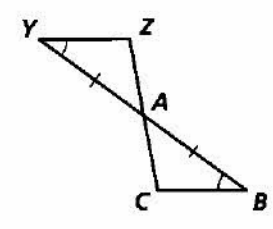
4.  $\angle QST \cong \angle SQR$



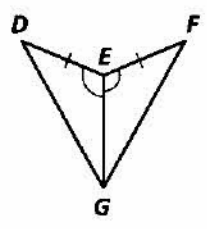
5.  $\angle U \cong \angle W$



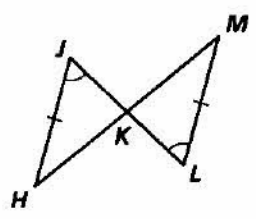
6.  $\overline{ZA} \cong \overline{AC}$



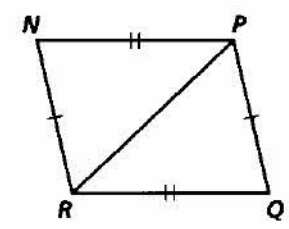
7.  $\overline{FG} \cong \overline{DG}$



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

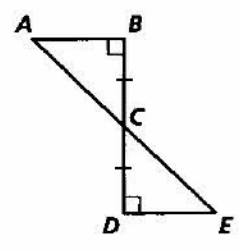


9.  $\angle N \cong \angle Q$

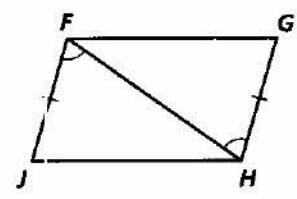


### Write a Plan for Proof.

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



All rights reserved.

© Pearson Education, Inc., publishing as Pearson Prentice Hall.