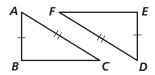
Practice 4-6

Congruence in Right Triangles

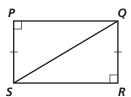
Write a two-column proof.

1. Given: $\overline{AB} \perp \overline{BC}$, $\overline{ED} \perp \overline{FE}$, $\overline{AB} \cong \overline{ED}$, $\overline{AC} \cong \overline{FD}$ **2.** Given: $\angle P$ and $\angle R$ are right angles, $\overline{PS} \cong \overline{QR}$

Prove: $\triangle ABC \cong \triangle DEF$



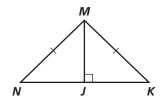
Prove: $\triangle PQS \cong \triangle RSQ$



Write a flow proof.

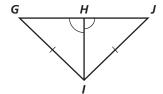
3. Given: $\overline{MJ} \perp \overline{NK}$, $\overline{MN} \cong \overline{MK}$

Prove: $\triangle MJN \cong \triangle MJK$



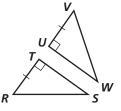
4. Given: $\overline{GI} \cong \overline{JI}$, $\angle GHI \cong \angle JHI$

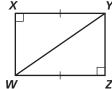
Prove: $\triangle IHG \cong \triangle IHJ$



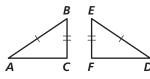
What additional information do you need to prove each pair of triangles congruent by the HL Theorem?

5.

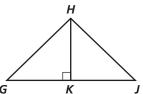




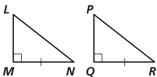
7.



8.



9. L



10. S

