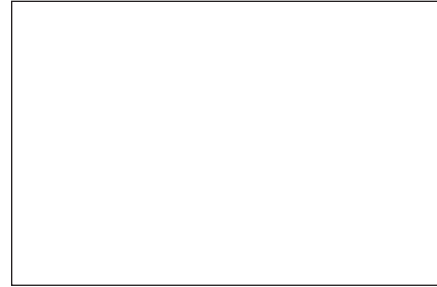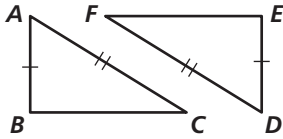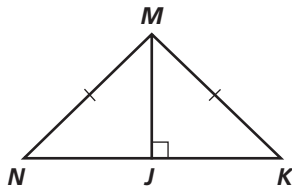# Practice 4-6

Congruence in Right Triangles

Write a two-column proof.

1. Given: $\overline{AB} \perp \overline{BC}$, $\overline{ED} \perp \overline{FE}$, $\overline{AB} \cong \overline{ED}$, $\overline{AC} \cong \overline{FD}$
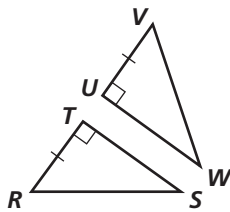   Prove: $\triangle ABC \cong \triangle DEF$

Write a flow proof.

2. Given: $\overline{MJ} \perp \overline{NK}$, $\overline{MN} \cong \overline{MK}$
   Prove: $\triangle MJN \cong \triangle MJK$
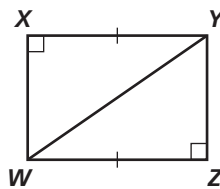

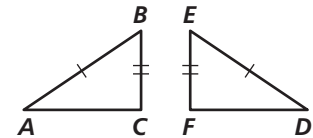**What additional information do you need to prove each pair of triangles congruent by the HL Theorem?**
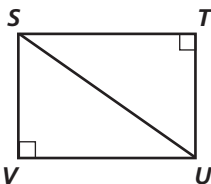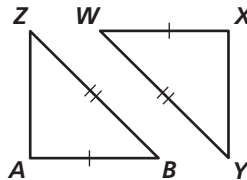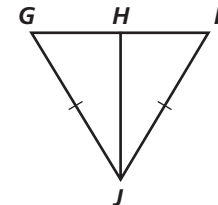
3. _____

4. _____

5. _____

6. _____

7. _____

8. _____