

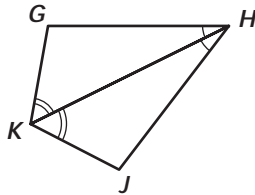
Practice 8-2

Example Exercises

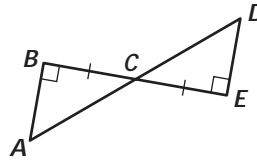
Example 1

Write a plan for each proof.

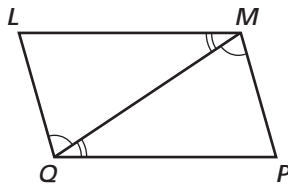
1. Given: $\angle GHK \cong \angle JHK$, $\angle GKH \cong \angle JKH$
 Prove: $\triangle GKH \cong \triangle JKH$



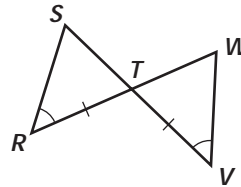
2. Given: $\angle B$ and $\angle E$ are right angles, and $\overline{BC} \cong \overline{EC}$
 Prove: $\triangle ABC \cong \triangle DEC$



3. Given: $\angle LQM \cong \angle QMP$, $\angle LMQ \cong \angle PQM$
 Prove: $\triangle LQM \cong \triangle PMQ$



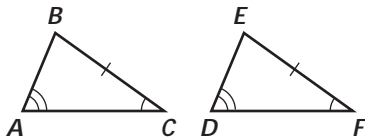
4. Given: $\angle R \cong \angle V$, $\overline{RT} \cong \overline{TV}$
 Prove: $\triangle RST \cong \triangle VWT$



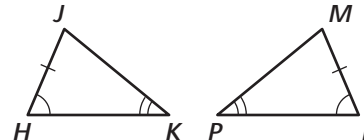
Example 2

Write a flow proof using ASA.

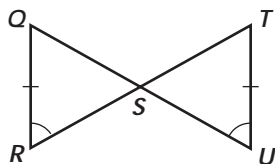
5. Given: $\angle A \cong \angle D$, $\angle C \cong \angle F$, $\overline{BC} \cong \overline{EF}$
 Prove: $\triangle ABC \cong \triangle DEF$



6. Given: $\angle H \cong \angle L$, $\angle K \cong \angle P$, $\overline{HJ} \cong \overline{LM}$
 Prove: $\triangle HJK \cong \triangle LMP$



7. Given: $\overline{RQ} \cong \overline{TU}$, $\angle R \cong \angle U$
 Prove: $\triangle QRS \cong \triangle TUS$



8. Given: $\angle X \cong \angle V$, $\angle XWY \cong \angle VYW$
 Prove: $\triangle WXY \cong \triangle YVW$

