

Name _____

Date _____

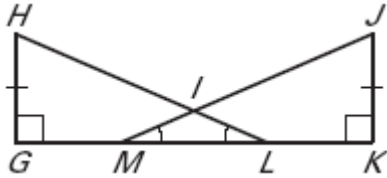
LESSON 4.6

Practice C

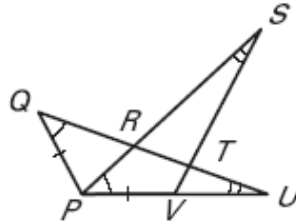
For use with pages 256–263

Tell which triangles you can show are congruent in order to prove the statement. What postulate or theorem would you use?

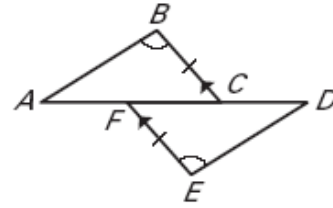
1. $\angle H \cong \angle J$



2. $\overline{QU} \cong \overline{PS}$

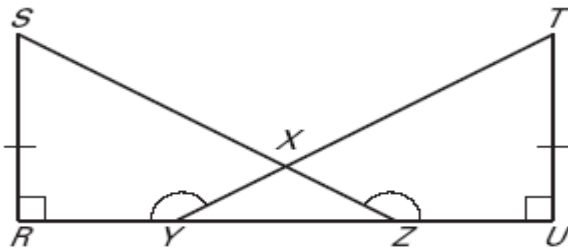


3. $\angle A \cong \angle D$

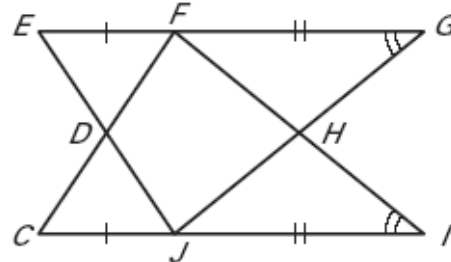


Use the diagram to write a plan for the proof.

4. PROVE: $\overline{RZ} \cong \overline{YU}$

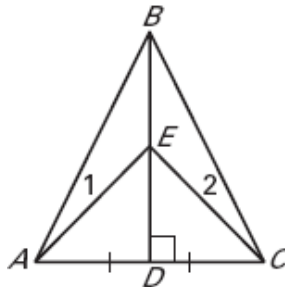


5. PROVE: $\overline{FH} \cong \overline{JH}$

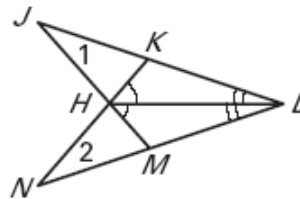


Use the information given in the diagram to write a plan for proving that $\angle 1 \cong \angle 2$.

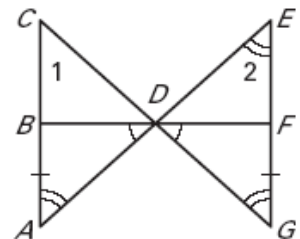
6.



7.



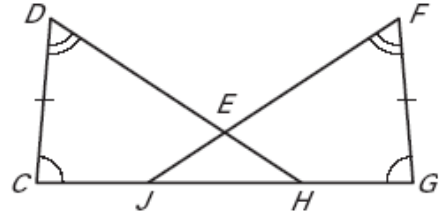
8.



Use the vertices of $\triangle ABC$ and $\triangle DEF$ to show that $\angle C \cong \angle F$.

9. $A(2, 0), B(2, 2), C(4, 1), D(-2, 1), E(-5, 1), F(-3, -1)$

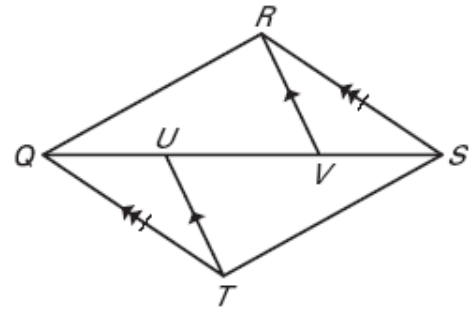
10. **GIVEN:** $\angle C \cong \angle G, \angle D \cong \angle F, \overline{DC} \cong \overline{FG}$
PROVE: $\angle CJF \cong \angle GHE$



Statements

Reason

11. **GIVEN:** $\overline{QT} \parallel \overline{RS}, \overline{UT} \parallel \overline{RV}$
PROVE: $\angle UTS \cong \angle VRQ$



Statements

Reason