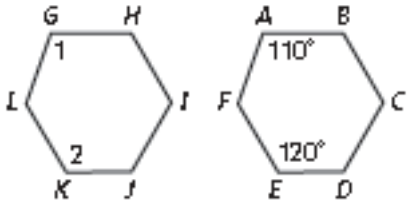
Name_____ Class_____ Date_____

Practice 4-1

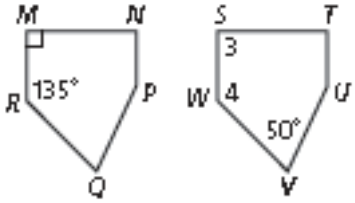
Congruent Figures

Each pair of polygons is congruent. Find the measures of the numbered angles.

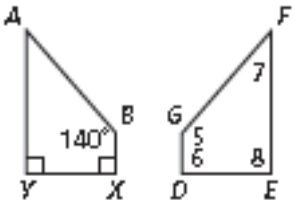
1.



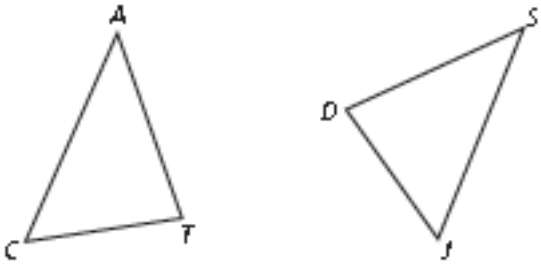
2.



3.



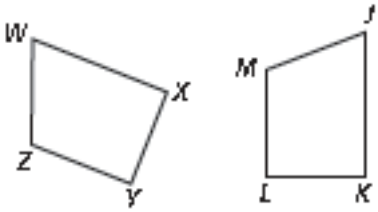
$\Delta CAT \cong \Delta JSD$. **List each of the following.**



4. three pairs of congruent sides

5. three pairs of congruent angles

$WXYZ \cong JKLM$. **List each of the following.**

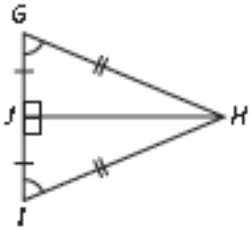


6. four pairs of congruent sides

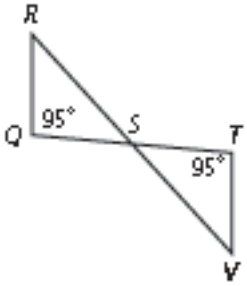
7. four pairs of congruent angles

State whether the pairs of figures are congruent. Explain.

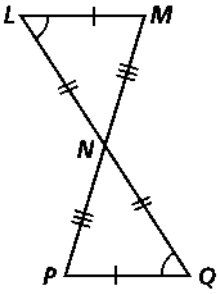
8. ΔGHJ and ΔIHJ



9. ΔQRS and ΔTVS



10. **Developing Proof** Use the information given in the diagram. Give a reason that each statement is true.



a. $\angle L \cong \angle Q$

b. $\angle LNM \cong \angle PNQ$

c. $\angle M \cong \angle P$

d. $\overline{LM} \cong \overline{QP}$, $\overline{LN} \cong \overline{QN}$, $\overline{MN} \cong \overline{PN}$

e. $\Delta LNM \cong \Delta QNP$

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