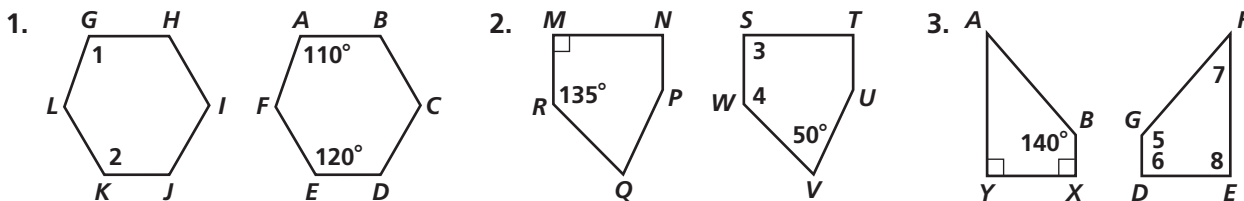


Practice 4-1

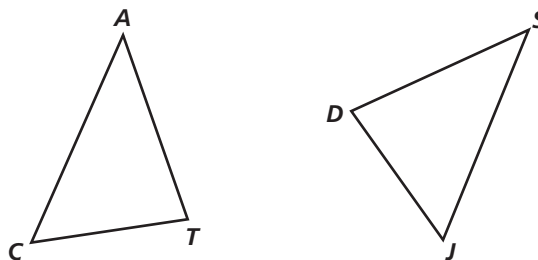
Congruent Figures

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



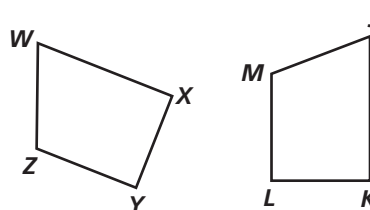
$\triangle CAT \cong \triangle JSD$. List each of the following.

4. three pairs of congruent sides
5. three pairs of congruent angles



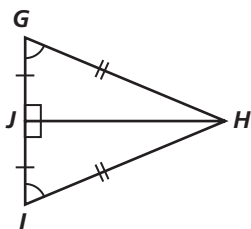
$WXYZ \cong JKLM$. List each of the following.

6. four pairs of congruent sides
7. four pairs of congruent angles

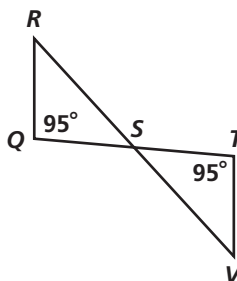


State whether the pairs of figures are congruent. Explain.

8. $\triangle GHJ$ and $\triangle IHJ$



9. $\triangle QRS$ and $\triangle TVS$



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. $\triangle LNM \cong \triangle QNP$

