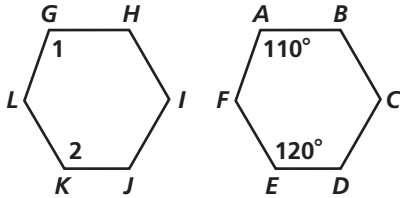


Practice 4-1

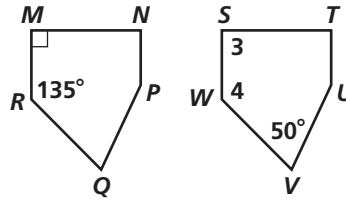
Congruent Figures

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

1. $m\angle 1 =$ _____, $m\angle 2 =$ _____



2. $m\angle 3 =$ _____, $m\angle 4 =$ _____

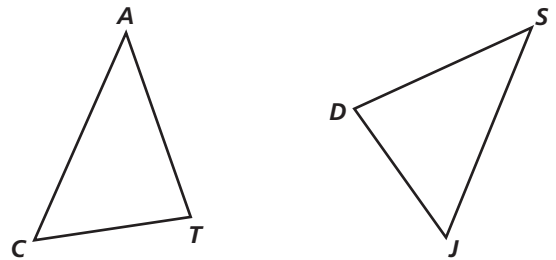


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$\triangle CAT \cong \triangle JSD$. List each of the following.

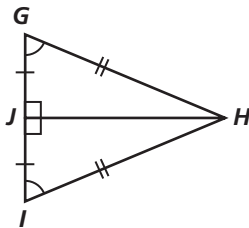
3. three pairs of congruent sides _____

4. three pairs of congruent angles _____

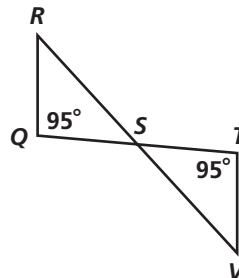


State whether the pairs of figures are congruent. Explain.

5. $\triangle GHJ$ and $\triangle IHJ$ _____

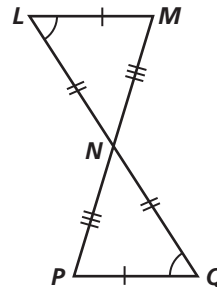


6. $\triangle QRS$ and $\triangle TVS$ _____



7. **Developing Proof** Use the information given in the figure. 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. $\triangle LNM \cong \triangle QNP$ _____



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