Practice 4-1
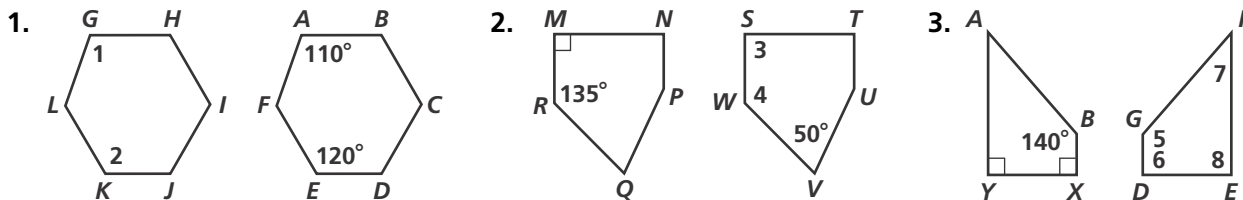
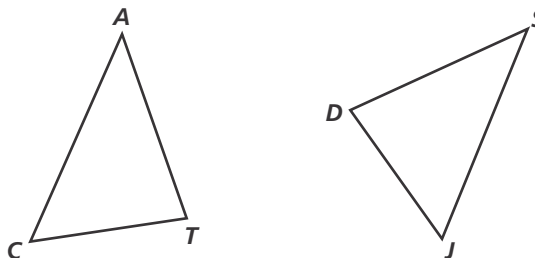**Congruent Figures and Corresponding Parts**

Each pair of polygons is congruent. Find the measures of the numbered angles.
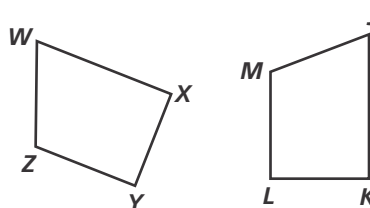
1.

2.

3.

△CAT ≅ △JSD. List each of the following.

4. three pairs of congruent sides

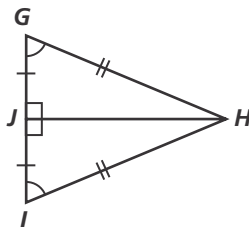**5.** three pairs of congruent angles

WXYZ ≅ JKLM. List each of the following.

6. four pairs of congruent sides

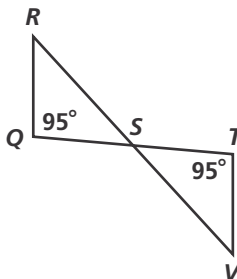**7.** four pairs of congruent angles

State whether the pairs of figures are congruent. Explain.

8. △GHJ and △IHJ

9. △QRS and △TVS

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

  a. ∠L ≅ ∠Q

  b. ∠LNM ≅ ∠PNQ

  c. ∠M ≅ ∠P

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

  e. △LNM ≅ △QNP