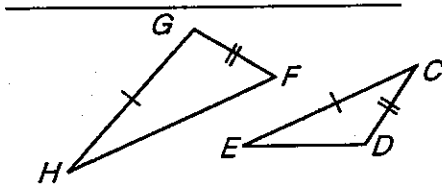


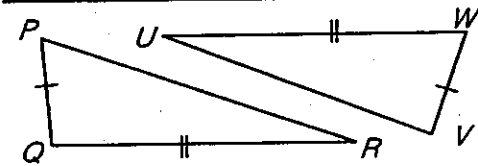
practice 7.4

Use the Hinge Theorem to reach a conclusion.

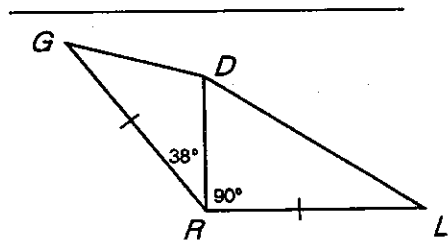
1. In $\triangle HGF$ and $\triangle ECD$, $\overline{HG} \cong \overline{EC}$,
 $\overline{GF} \cong \overline{CD}$, and $m\angle G > m\angle C$.



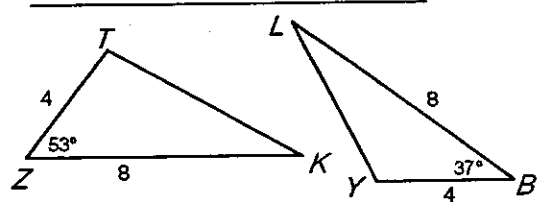
2. In $\triangle PQR$ and $\triangle VWU$, $\overline{PQ} \cong \overline{VW}$,
 $\overline{QR} \cong \overline{WU}$, and $m\angle Q > m\angle W$.



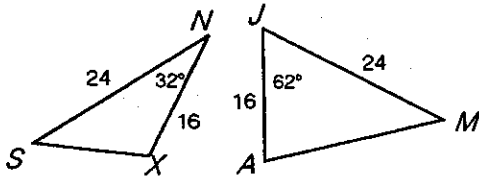
3. In $\triangle GRD$ and $\triangle LRD$



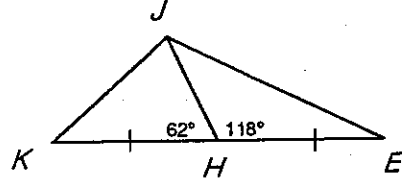
4. $\triangle TZK$ and $\triangle YBL$



5. _____

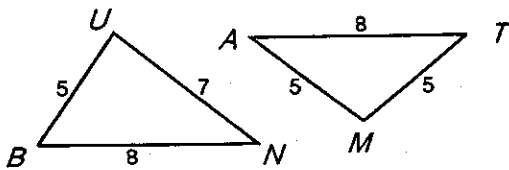


6. _____

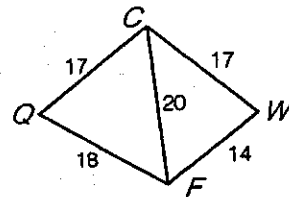


Use the converse of the Hinge Theorem to reach a conclusion.

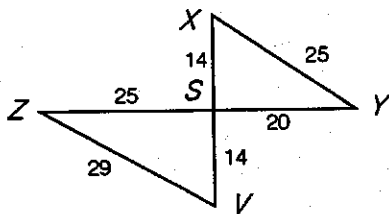
7. _____



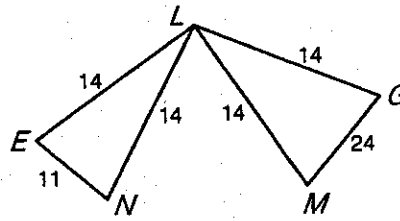
8. _____



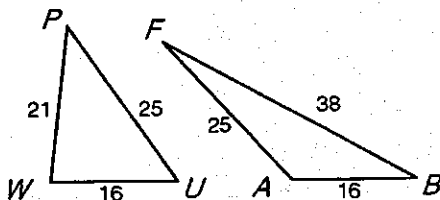
9. _____



10. _____



11. _____



12. _____

