LESSON 5.6

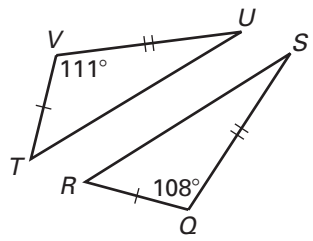
NAME _____ DATE _____

Practice B

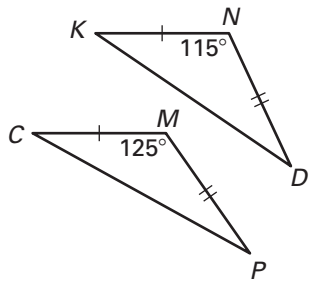
For use with pages 302–308

Complete with $<$, $>$, or $=$.

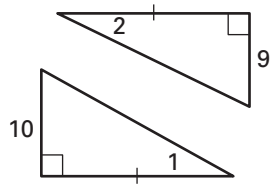
1. TU ? RS



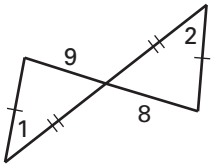
2. KD ? CP



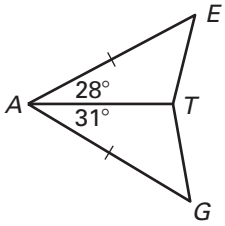
3. $m\angle 1$? $m\angle 2$



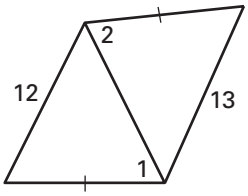
4. $m\angle 1$? $m\angle 2$



5. ET ? GT



6. $m\angle 1$? $m\angle 2$



Match the conclusion on the right with the given information.

7. $AF = AB, m\angle 1 > m\angle 2$

8. $AF = FE, m\angle 11 > m\angle 12$

9. $m\angle 7 < m\angle 8, FD = BD$

10. $AF = AB, FD = DB$

11. $ED = CD$, $m\angle 9 + m\angle 8 > m\angle 7 + m\angle 6$

12. $AD = DC, m\angle 6 < m\angle 7$

A. $ED > AD$

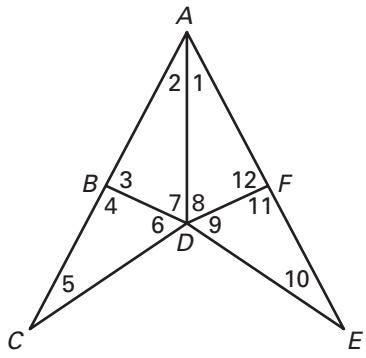
B. $AF > AB$

C. $m\angle 12 = m\angle 3$

D. $AB > BC$

E. $FD > BD$

F. $AE > AC$



Complete the indirect proof.

13. **Given:** $\angle 1 \ncong \angle 5$

Prove: $\angle 2$ and $\angle 3$ are not supplementary.