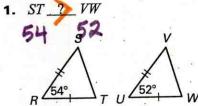
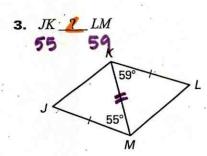
5.6

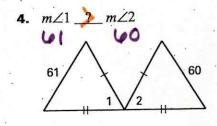
Practice For use with pages 335–341

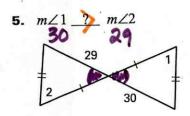
Complete with <, >, or = . Explain.

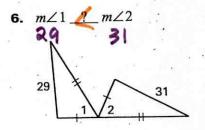
complete with <, >, or – . Explain

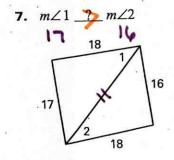


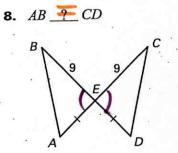










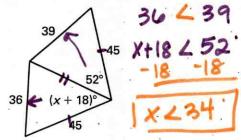


5.6

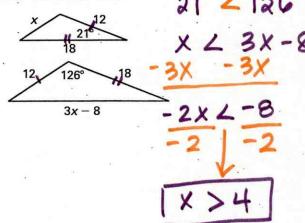
Practice continued For use with pages 335–341

Use the Hinge Theorem or its converse and properties of triangles to write and solve an inequality to describe a restriction on the value of x.

9.



10



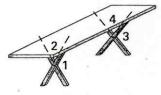
Write a temporary assumption you could make to prove the conclusion indirectly.

11. If two lines in a plane are parallel, then the two lines do not contain two sides of a triangle.

X L 3X - 8 8 + X L 3X

8 L 2 X

- 12. If two parallel lines are cut by a transversal so that a pair of consecutive interior angles is congruent, then the transversal is perpendicular to the parallel lines.
- 13. Table Making All four legs of the table shown have identical measurements, but they are attached to the table top so that the measure of $\angle 3$ is smaller than the measure of $\angle 1$.
 - a. Use the Hinge Theorem to explain why the table top is not level.



b. Use the Converse of the Hinge Theorem to explain how to use a length measure to determine when $\angle 4 \cong \angle 2$ in reattaching the rear pair of legs to make the table level.