

WARM-UP EXERCISES

For use before Lesson 3.3, pages 142–149

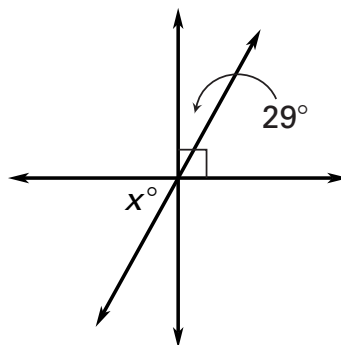
State the definition, theorem, or postulate that justifies each statement.

1. If $\angle 1$ and $\angle 2$ are vertical angles, then $\angle 1 \cong \angle 2$.
 2. If $\angle 1 \cong \angle 2$ and $\angle 2 \cong \angle 3$, then $\angle 1 \cong \angle 3$.
 3. If $\angle 1$ and $\angle 2$ form a linear pair, then $m\angle 1 + m\angle 2 = 180^\circ$.
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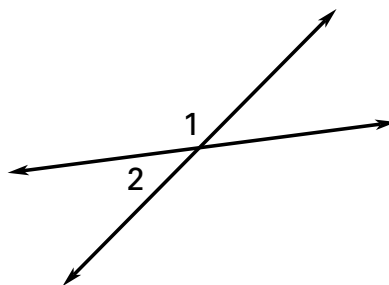
DAILY HOMEWORK QUIZ

For use after Lesson 3.2, pages 135–141

1. Find the value of x .



2. What can you conclude about the labeled angles?



3. Which of the following must *not* be true if $m\angle 2 = 90^\circ$ in Exercise 2?
 - a. The lines are perpendicular.
 - b. $\angle 1$ is a right angle.
 - c. The unlabeled angles are congruent.
 - d. $\angle 1$ and $\angle 2$ are complementary.