Module 9 Characteristics of Geometric Shapes

Lesson 2 Quadrilaterals

Independent Practice

9.2

For each statement, place an X in the columns for which it is true.

	Parallelogram	Rectangle	Rhombus	Square	Trapezoid
1. Both pairs of sides are parallel.					
2. All the angles are right angles.					
3. All the sides are congruent.					
4. The figure is a quadrilateral.					

5. Name the square two different ways.

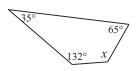


Write always, sometimes, or never.

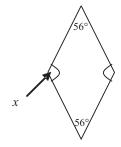
- **6.** A parallelogram is a rhombus.
- 7. A rhombus is a parallelogram.
- **8.** A trapezoid is a quadrilateral.

Find the value of x.

9.



10.



Journal

1. Explain why each of the following shapes in not a quadrilateral.

a.



b.



c.



- 2. Explain why all squares are rectangles but not all rectangles are squares.
- 3. How are a parallelogram and trapezoid alike? How are they different?

Cumulative Review

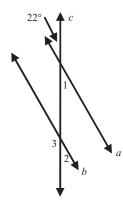
Find the measure of the complement and supplement of each angle.

1. 105°

2. 65°

3. 2°

Lines a and b are parallel. Find the measure of each angle.



4. ∠1

5. ∠2

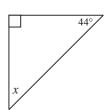
6. ∠3

Find the value of x.

7.



8.



9. The sides of a triangle are 8 cm, 10 cm, and 13 cm. Is the triangle a right triangle?

Module 9

Lesson 2

Additional Work Area

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Module 9 Lesson 2 Lesson 2 Independent Practice