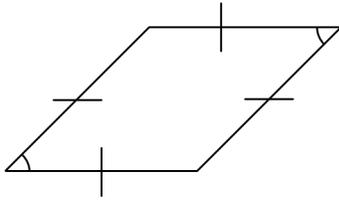


4.06 Review #2

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Which of the following terms could not be used to describe the polygon below?



- A. quadrilateral      B. square  
C. parallelogram      D. rhombus

2. Which of the following is always true?

- A. A rectangle is a square.  
B. A rhombus is a rectangle.  
C. A parallelogram is a rhombus.  
D. A rectangle is a parallelogram.

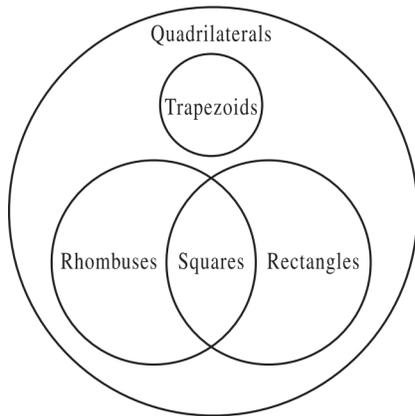
3. The statements below are out of order.

- 1) If a figure is a square, then it is a rhombus.
- 2) If a figure is a parallelogram, then it is a quadrilateral.
- 3) If a figure is a quadrilateral, then it is a polygon.
- 4) If a figure is a rhombus, then it is a parallelogram.

Which of the following lists the statements in the correct logical order?

- A. 2, 4, 3, 1      B. 1, 4, 2, 3  
C. 3, 2, 1, 4      D. 4, 2, 3, 1

4. The Venn diagram below represents the relationship between trapezoids, rectangles, squares, rhombuses, and quadrilaterals.



According to the diagram, which statement is *not* correct?

- A. Every rhombus is a square.
- B. Every square is a rectangle.
- C. No trapezoid is a rhombus.
- D. No rectangle is a trapezoid.

5. Which property is true for all squares, but is *not* true for all rhombuses?
- A. All angles are equal.
  - B. All sides are equal.
  - C. Opposite sides are parallel.
  - D. Opposite sides are equal.

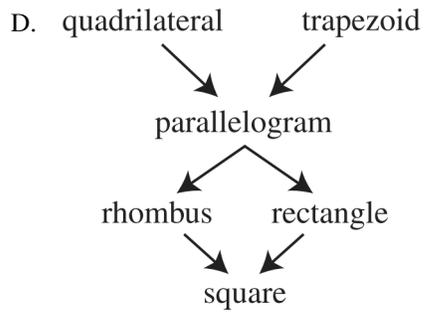
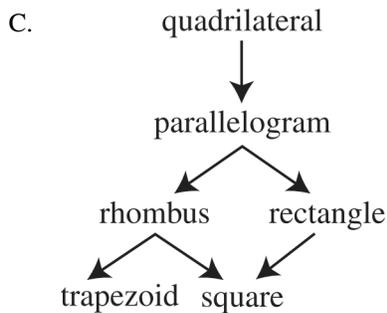
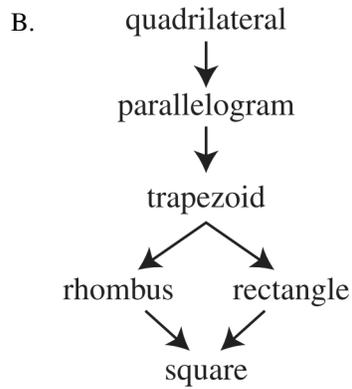
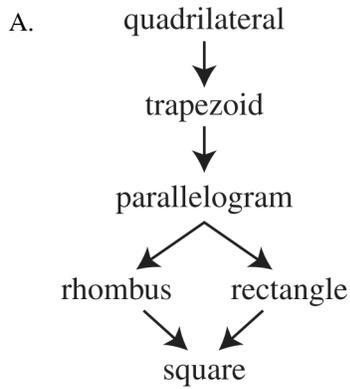
6. Harry gave these clues to describe his mystery shape.

- It has four sides.
- Its opposite sides have the same length.
- Two of its angles are **more than**  $90^\circ$ .

What is Harry's mystery shape?

- A. rhombus
- B. hexagon
- C. square
- D. rectangle

7. Which diagram shows the relationships among these two-dimensional figures based on their properties?



8. Coral was asked to draw a rhombus on the chalkboard.
- Coral drew a square.
- Ken told Coral that she didn't draw a rhombus.
- Coral responded, "A square is a rhombus."
- Which statement supports Coral's reasoning that a square is a rhombus?
- A. A rhombus must have at least four sides.
  - B. A rhombus must have one pair of parallel sides.
  - C. A rhombus must have right angles.
  - D. A rhombus must have four congruent sides.

1.  
Answer:      B
2.  
Answer:      D
3.  
Answer:      B
4.  
Answer:      A
5.  
Answer:      A
6.  
Answer:      A
7.  
Answer:      A
8.  
Answer:      D