

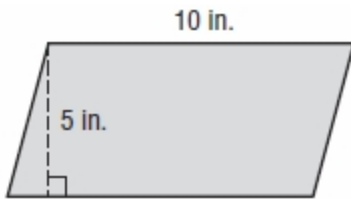
### Ch 9 Review

Indicate the answer choice that best completes the statement or answers the question.

\_\_\_ 1. What is the height of a parallelogram with base 7 meters and an area of 84 square meters?

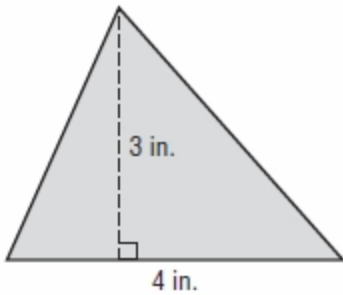
- a. 7 m      b. 12 m
- c. 294 m    d. 588 m

\_\_\_ 2. An artist is using tiles in the shape of a parallelogram to make a mosaic. The tiles have the dimensions shown. What is the area of one tile?



- a.  $2 \text{ in}^2$       b.  $15 \text{ in}^2$
- c.  $25 \text{ in}^2$     d.  $50 \text{ in}^2$

\_\_\_ 3. What is the area of the triangle?



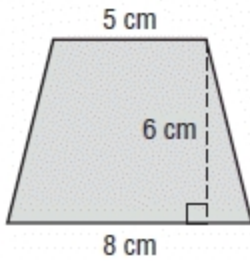
- a.  $24 \text{ in}^2$       b.  $12 \text{ in}^2$
- c.  $6 \text{ in}^2$         d.  $3.5 \text{ in}^2$

\_\_\_ 4. A triangle is cut from a piece of fabric. The triangle has a height of 8 inches and an area of 120 square inches. What is the length of the base of the triangle?

- a. 960 in.      b. 480 in.
- c. 30 in.        d. 15 in.

Ch 9 Review

\_\_\_ 5. An eraser has the dimensions shown at the right. What is the area of the eraser?

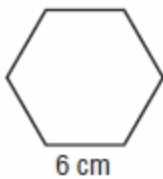


- a.  $19 \text{ cm}^2$
- b.  $39 \text{ cm}^2$
- c.  $78 \text{ cm}^2$
- d.  $120 \text{ cm}^2$

\_\_\_ 6. Which of the following is *not* a characteristic of the figure with vertices at coordinates  $A(1, 1)$ ,  $B(1, 2)$ ,  $C(2, 2)$ , and  $D(2, 1)$ ?

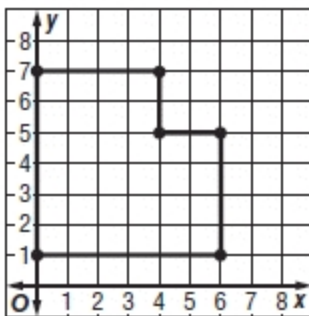
- a. four right angles
- b. four vertices
- c. two sets of parallel lines
- d. two acute angles

\_\_\_ 7. The regular hexagon shown is enlarged so that its sides are 5 times as large. What effect does this have on the perimeter?



- a. The perimeter is 2.5 times greater.
- b. The perimeter is 5 times greater.
- c. The perimeter is the same.
- d. The perimeter is 10 times greater.

\_\_\_ 8. The blueprints for a new garden are shown. Each grid square on the blueprint has a length of 10 feet. What is the total distance, in feet, around the garden?

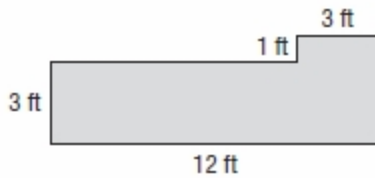


- a. 22 feet
- b. 24 feet
- c. 220 feet
- d. 240 feet

### Ch 9 Review

- \_\_\_ 9. A rectangle has vertices  $A(1, 2)$ ,  $B(1, 7)$ ,  $C(4, 7)$ , and  $D(4, 2)$ . What is the perimeter of the rectangle?
- a. 3 units      b. 5 units  
c. 15 units    d. 16 units

- \_\_\_ 10. What is the area of the figure shown below?



- a.  $39 \text{ ft}^2$       b.  $41 \text{ ft}^2$   
c.  $50 \text{ ft}^2$       d.  $60 \text{ ft}^2$
- \_\_\_ 11. Two acute triangles have perimeters of 20 meters and 100 meters respectively. How many times greater is the perimeter of the larger triangle?
- a. 8 times      b. 6 times  
c. 5 times      d. 4 times

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Ch 9 Review

### Answer Key

1. b

2. d

3. c

4. c

5. b

6. d

7. b

8. d

9. d

10. a

11. c