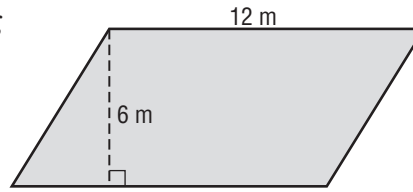


Test, Form 1B

Write the letter for the correct answer in the blank at the right of each question.

1. A decorative rug in an office building has the dimensions shown. What is the area of the rug?
- A. 72 m^2
 - B. 36 m^2
 - C. 18 m^2
 - D. 6 m^2

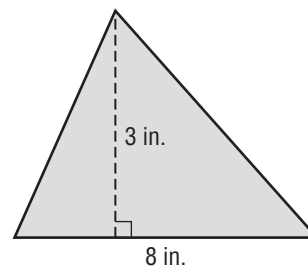


1. _____

2. What is the height of a parallelogram with base 6 meters and an area of 90 square meters?
- F. 540 m
 - G. 84 m
 - H. 30 m
 - I. 15 m

2. _____

3. What is the area of the triangle?
- A. 24 in^2
 - B. 12 in^2
 - C. 6 in^2
 - D. 5.5 in^2

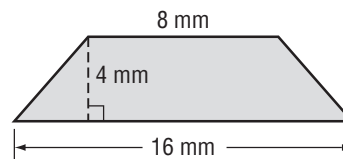


3. _____

4. Asia is designing a triangular-shaped window with a height of 15 inches and an area of 135 square inches. What is the length of the base of the window?
- F. 9 in.
 - G. 18 in.
 - H. 120 in.
 - I. 2,025 in.

4. _____

5. A charm on Lucy's bracelet has the dimensions shown. What is the area of the charm?
- A. 270 mm^2
 - B. 96 mm^2
 - C. 48 mm^2
 - D. 24 mm^2



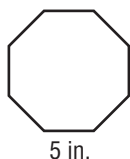
5. _____

6. Which of the following is *not* a characteristic of the figure with vertices at coordinates $A(1, 3)$, $B(1, 5)$, $C(8, 5)$, and $D(8, 3)$?
- F. two sets of parallel lines
 - G. four right angles
 - H. four vertices
 - I. four equal side lengths

6. _____

Test, Form 1B *(continued)*

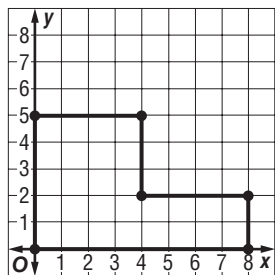
7. The regular octagon shown is enlarged so that its sides are 3 times as large. What affect does this have on the perimeter?



- A. The perimeter is 2 times greater.
- B. The perimeter is 3 times greater.
- C. The perimeter stays the same.
- D. The perimeter is 9 times greater.

7. _____

8. The blueprints for a new garden are shown. Each grid square on the blueprint has a length of 20 feet. What is the total distance around the garden?



- F. 26 feet
- G. 52 feet
- H. 260 feet
- I. 520 feet

8. _____

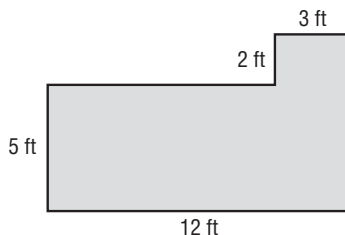
9. A rectangle has vertices $A(0, 0)$, $B(0, 9)$, $C(4, 9)$, and $D(4, 0)$. What is the perimeter of the rectangle?

- A. 4 units
- B. 9 units
- C. 13 units
- D. 26 units

9. _____

10. What is the area of the figure?

- F. 66 ft^2
- G. 36 ft^2
- H. 32 ft^2
- I. 30 ft^2



10. _____

11. Two squares have perimeters of 25 yards and 100 yards respectively. How many times greater is the perimeter of the larger square?

- A. 75 times
- B. 5 times
- C. 4 times
- D. 2 times

11. _____