TAHNOON BIN MOHAMMED (2020-2021)
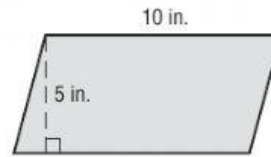## MATH QUIZ (GRADE 6) - TERM 3
CHAPTER 9 - AREA

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

1. 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 in²   **C.** 25 in²

   B. 15 in²   **D.** 50 in²

   10 in.

   5 in.
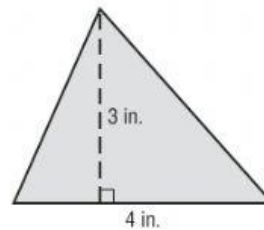
   1. _____

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

   F. 7 m   **H.** 294 m

   G. 12 m   **I.** 588 m

   2. _____

3. What is the area of the triangle?

   A. 24 in²

   B. 12 in²

   C. 6 in²

   D. 3.5 in²
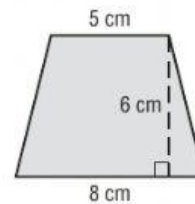
   3 in.

   4 in.

   3. _____

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?

   F. 960 in.   **H.** 30 in.

   G. 480 in.   **I.** 15 in.

   4. _____

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

   A. 19 cm²

   B. 39 cm²

   C. 78 cm²

   D. 120 cm²

   5 cm

   6 cm

   8 cm

   5. _____

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 $D(2, 1)$?

   F. four right angles

   G. four vertices
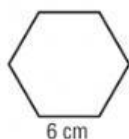
   H. two sets of parallel lines

   I. two acute angles

   6. _____

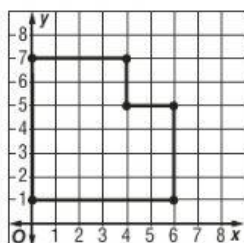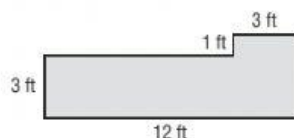**Course 1 • Chapter 9** Area

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

6 cm

   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.

   7. _____

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?

   F. 22 feet   H. 220 feet
   G. 24 feet   I. 240 feet

   8. _____

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   C. 15 units
   B. 5 units   D. 16 units

   9. _____

10. What is the area of the figure shown below?

    3 ft
    1 ft
    3 ft
    12 ft

    F. 39 ft²   H. 50 ft²
    G. 41 ft²   I. 60 ft²

    10. _____

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   C. 5 times
    B. 6 times   D. 4 times

    11. _____