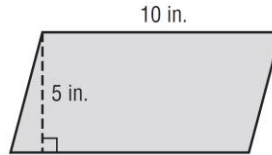


## Study Guide Chapter 9 TEST

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?

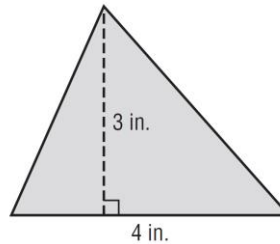


1. \_\_\_\_\_

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

2. \_\_\_\_\_

3. What is the area of this triangle?

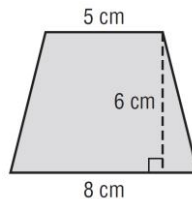


3. \_\_\_\_\_

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?

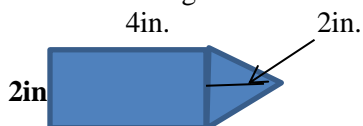
4. \_\_\_\_\_

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



5. \_\_\_\_\_

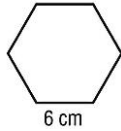
6. What is the area of this figure?



6. \_\_\_\_\_

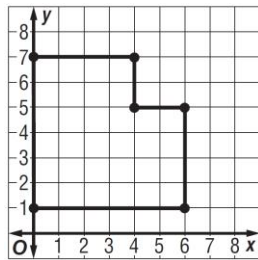
[Type text]

7. The regular hexagon shown is enlarged so that its sides are 5 times as large. What is the perimeter of the larger hexagon?



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?

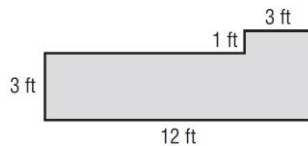


8. \_\_\_\_\_

9. A rectangle has vertices  $A(1, 2)$ ,  $B(1, 7)$ ,  $C(4, 7)$ , and  $D(4, 2)$ . What is the area of the rectangle? (Use graph paper if needed)

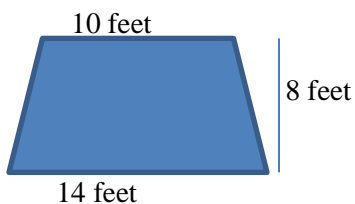
9. \_\_\_\_\_

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



10. \_\_\_\_\_

11. What is the area of the trapezoid below?



11. \_\_\_\_\_