

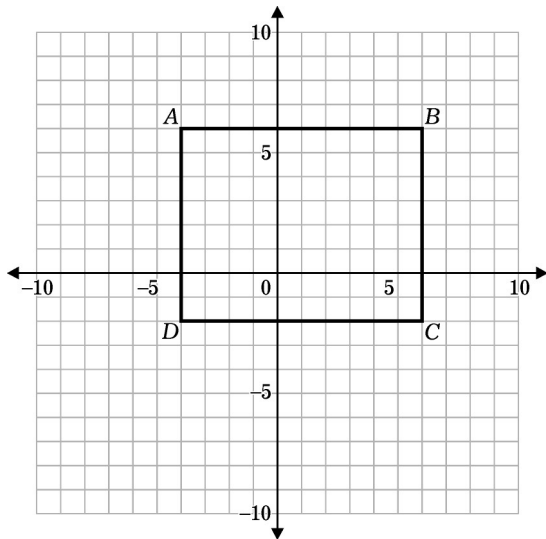
Homework #1

Name: _____

Date: _____

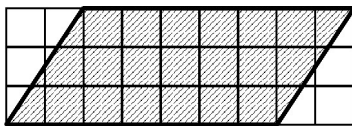
1. Find the quotient and remainder: $12 \overline{)2,697}$
- A. 220 R 7 B. 224 R 9
 C. 232 R 9 D. 245 R 7

2. What is the area of the rectangle?



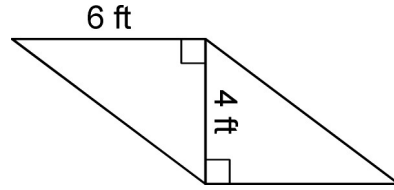
- A. 24 square units B. 36 square units
 C. 48 square units D. 80 square units

3. What is the area of the shaded region?



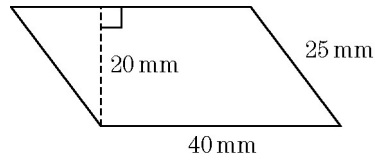
- A. 15 square unit B. 18 square units
 C. 21 square units D. 27 square units

4. What is the area, in square feet, of the parallelogram below?



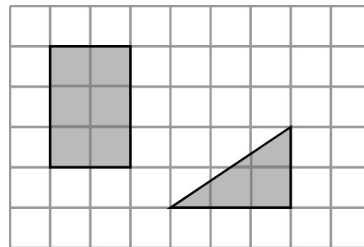
- A. 12 B. 24 C. 28 D. 36

5. What is the area of the parallelogram?



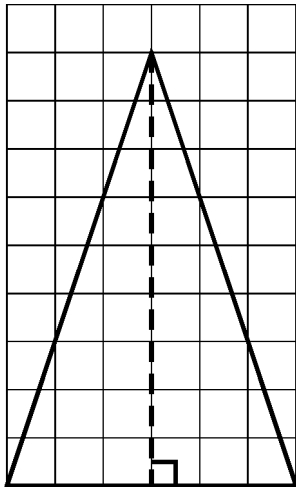
- A. 130 mm^2 B. 400 mm^2
 C. 800 mm^2 D. 1000 mm^2

6. What can be said about the relationship between the area of the triangle and the area of the rectangle?



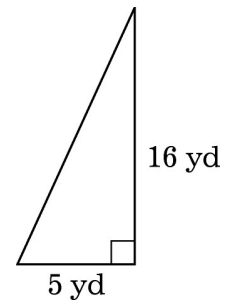
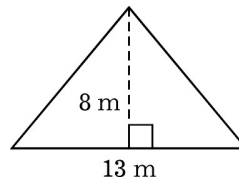
- A. The area of the triangle is $\frac{1}{2}$ the area of the rectangle.
 B. The area of the triangle is $\frac{1}{4}$ the area of the rectangle.
 C. The area of the rectangle is 3 times the area of the triangle.
 D. The area of the rectangle is the square of the area of the triangle.

7. Look at the triangle in the drawing.



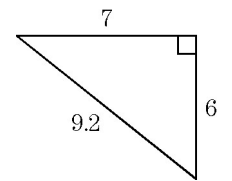
- What is the length of the base? _____
- What is the height? _____
- Write the formula for this figure:
 $A =$ _____
- Insert the values for b and h into the formula and solve.

8. Find the area of each triangle.



9. Find the area of this triangle.

- A. 84 B. 25
 C. 21 D. 10



10. A chalkboard measures 8 feet by 4 feet. How many square feet of area is available for writing?

- A. 12 ft^2 B. 16 ft^2 C. 32 ft^2 D. 36 ft^2