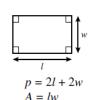
# <u>6th Review #77</u> – Draw the figure; Write the

# formula; then use the formula to solve. \*\*May use Calculators\*\*\*

**Geometric Formulas** 







1. Coach Shuler wants to re-floor the gym. The gym floor is 50 feet long by 30 feet wide. How many square feet will need to be covered with wood flooring?

2. Jacob's mom bought a cookie cake for his birthday. She wanted to cover the cake with frosting. The cake has a side of 9.5 inches. How many square inches will she be covering with frosting?

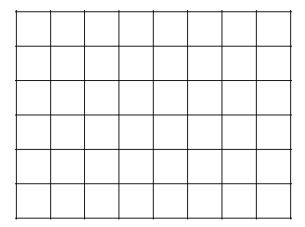
3. Ronnie needed to buy trim to edge his pool table. The table is 12 feet long and 5 feet wide. How many feet of wood will he need to go around the pool table?

ame
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4. Bradley has a pond that he wants to fill with water. The pond has a length of 10 feet, a width of 4.5 feet, and a height of 8 feet. How many cubic feet will he need to fill?

5. Emma has a triangular wall that she wants to paint. The wall has a base of 12 feet and a height of 9 feet. How many square feet will she need to cover with paint?

6. Find the area and perimeter of the figure below. (Show work)



## Adv. Review #77 (7th grade SOLs) SHOW HOW YOU SOLVED EACH **PROBLEM – NO CALCULATORS!**

### 7. Solve.

$$\frac{-10\cdot \, -5+\, 3^3}{-10+3}$$

### 8. How much area is shown in the shaded region?

**Geometric Formulas** 



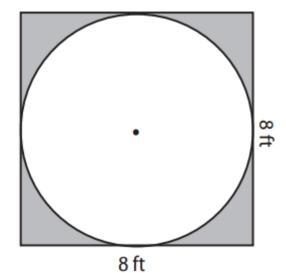




$$p = 2l + 2w \qquad C = 2l$$

$$A = lw \qquad C = 2l$$





What is the value of the expression below?

$$|15| + |-10|$$

- A. -25 B. -5 C. 5 D. 25

10. If 25, 16, 9, 4... is the pattern, what is the next perfect square number? Show how you know.