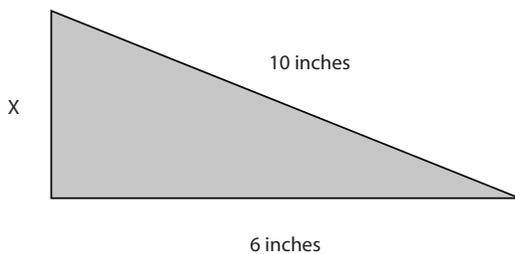Understanding how to use formulas and apply them to geometry problems will make solving the problems much easier.
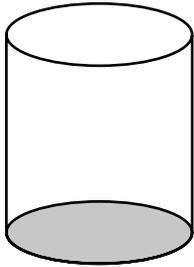
Select the best answer for the following questions and type it on the line provided.

1. The area of a rectangular shaped kitchen is 120 square feet. The length of one wall is 12 feet. What is the width? _____

   a. 10 feet
   b. 12 feet
   c. 15 feet
   d. 11 feet

2. What is the perimeter of the right triangle above? _____

   a. 24 inches
   b. 22 inches
   c. 23 inches
   d. 26 inches

3. What is the area of the right triangle above? _____

   a. 32 square inches
   b. 40 square inches
   c. 30 square inches
   d. 24 square inches

4. How many yards of carpet are needed in a rectangular room that is 10 feet long and 12 feet wide? _____

   a. 120 sq. feet
   b. 44 sq. feet
   c. 32 sq. feet
   d. 150 sq. feet

5. The container above has a radius of 4 inches and a height of 4 inches. What is the volume? _____

    a. 150.22 cubic inches
    b. 50.24 cubic inches
    c. 200.96 cubic inches
    d. 25.12 cubic inches

6. Miley recently purchased a rectangular fish tank that is 12 inches by 8 inches by 40 inches. What is the volume of the fish tank? _____

    a. 180 in^3
    b. 60 in^3
    c. 3840 in^3
    d. 5760 in^3