Density Equation Practice

Solve each of the equations listed below. Use the following equations to help you:

$$\text{Density} = \frac{\text{Mass(g)}}{\text{Volume(cm}^3\text{)}}$$

Volume of a solid = length * width * height

1. What is the **density** of an object with a *mass of 60 g* and a *volume of 2 cm^3*?

2. You are given the following information: *mass = 48 g*; *volume=24 cm^3*. What is the **density** of this substance?

3. If you have a rectangular gold brick that is *2 cm by 3 cm by 4 cm* and has a *mass of 48 g*, what is its **density**?

4. Bob, who weighs 150 pounds, found a rock. What is the **density** of a rock if its *mass is 36 g* and its *volume is 12 cm^3*?

5. If a block of wood has a *density of 0.6 g/cm^3* and a *mass of 120 g*, what is its **volume**?

6. What is the **mass** of an object that has a *volume of 34 cm^3* and a *density of 6 g/cm^3*?