Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Density Worksheet 2**

*Show all your work.*

1. Calculate the density of the following liquids:

a) A liquid with a mass of 20g and 50mL

b) A liquid with a mass of 100g and 50mL

c) A liquid with a mass of 20g and 20mL

2. Water has a density of 1 g/mL. What liquid from question #1 is water?

3. What is the density of a 100g cube, with the following dimensions?

Length is 2cm, width is 5cm, and height is 4cm

4. Substance A has a mass of 15g and a volume of 1000mL. Substance B has a mass of 10g and a volume of 1000mL. Which substance has a greater density? Explain your answer by drawing a diagram to represent the situation.

5. Substance A has a mass of 15g and a volume of 1000mL. Substance B has a mass of 15g and a volume of 500mL. Which substance has a greater density? Explain your answer by diagram to represent the situation.

6. Which of the following has a lower density? Explain your answer.

A B

7. Which of the following has a lower density? Explain your answers.

A B