Name _____
Period 1 2 3 4 6 7 Date _____

Answer the following questions. Remember to include units and significant figures in your answer.

1. Calculate the density of each of the following:
   a. 252 mL of a solution with a mass of 500. g

   b. 252 mL of a solution with a mass of 500 g

   c. A 6.75 g solid with a volume of 5.35 cm^3

   d. 50.0 mg of a gas which occupies a volume of 0.0064 L

   e. A substance with a mass of 7.55×10^4 kg and a volume of 9.50×10^3 L

2. Calculate the volume of each of the following:
   a. 26.5 g of a solution with a density of 7.48 g/mL

   b. A 3.400 kg solid with a density of 10.74 g/mL