Ch4/ PowerPoint Study-3 Solution Concentration Name:_____

Answer these questions as you are watching the videos. They are due in class.
These questions are not just for you to answer but also to prepare you for the exam.
Make sure you understand what you are writing and not just copy from the text book. **Show all work.**

1) Calculate the molarity of a solution that has 0.936 mol in 450 mL.

2) What is the molarity of a solution that is made from 24 g of NaCl dissolved in 250 mL of water? (Strategy: calculate mols of NaCl first then divide by L of water.)

3) How many grams of sodium sulfate are in 200 mL of a 0.25 M solution?
(Strategy: a) how many mols are in 200 mL of water? b) convert the mols to grams of sodium sulfate)

4) Calculate the new concentration when 0.020 L of a 4.5 M sulfuric acid solution is diluted to 2.00 L?