Review for Final #3

1) What is the molarity of a solution if there are 0.056 grams of sodium hydroxide dissolved to make a total of 10.0 L of solution?

2) What is the pH of the solution above?

3) What color would the solution above be in phenolphthalein indicator? _____

4) If I place dilute 20.0 mL of 0.0010 M HCl to a final volume of 6.0 L, what will the molarity of the resulting solution be?

5) What will the pH of the solution from problem 4 be?

6) If I place 1.00 grams of potassium hydroxide into 455 mL of water, what will the molality of the resulting solution be?

7) What will the mole fraction of KOH be in the solution from problem 6?

8) What color will the solution from #6 be if litmus is added?