**Limiting Reagent and Experimental Error Practice**

Using the equation:

\_\_\_\_\_ KI + \_\_\_\_\_ Pb(NO3)2 → \_\_\_\_\_ PbI2 + \_\_\_\_\_ KNO3

1) How many grams of lead (II) iodide will be formed if 25.0 grams of potassium iodide are combined with 75 grams of lead (II) nitrate?

2) What was the limiting reagent for the scenario in problem 1 above?

3) How much of the excess reagent was left over?

4) If I actually made 55 grams of lead (II) nitrate, what was my percent yield? Is it reasonable? Explain why or why not.

5) Did I make any errors when doing this lab? If so, explain what they may have been.