Titration Worksheet

1. Determine moles of the substance you have 2 pieces of info for.
2. Use the mole ratio to determine moles of unknown substance.
3. Determine the concentration.

1. If it takes 54 mL of 0.1 M NaOH to neutralize 125 mL of an HCl solution, what is the concentration of the HCl?

2. If it takes 25 mL of 0.05 M HCl to neutralize 345 mL of NaOH solution, what is the concentration of the NaOH solution?

3. If it takes 50 mL of 0.5 M $Ca(OH)_2$ solution to completely neutralize 125 mL of sulfuric acid solution (H_2SO_4), what is the concentration of the H_2SO_4 solution?

4. How many milliliters of 0.360 M H_2SO_4 are required to neutralize 25.0 mL of 0.100 M $Ba(OH)_2$?

5. What is the molarity of a 30.0mL hydrochloric acid solution (HCl) which is just neutralized by 48.0 mL of 0.100 M sodium hydroxide (NaOH)?