HW4: Titration Problems

Name:_____

Date:_____Per:_____

1. Write a balanced equation for the neutralization reaction between nitric acid and calcium hydroxide. In your equation identify the acid, base, and salt.

2. Write a balanced equation for the neutralization reaction between acetic acid and ammonium hydroxide. In your equation identify the acid, base, and salt.

3. What is the molarity of a CsOH solution if 30.00Ml of the solution nsi neutralized by 26.4mL of 0.250M HBr solution?

4. What is the molarity of a nitric acid solution if 43.44mL of 0.1M KOH solution is needed to neutralize 20.00mL of unknown solution?

5. What is the concentration of a household ammonia cleaning solution if 49.90mL of 0.59M HCl is required to neutralize a 25.0mL sample.