1. You titrate an unknown molarity of HBr with .25M of NaOH. The initial volume on the NaOH burette was 22.0 ml and the final volume was 45.5 ml. The initial volume on the HBr burette was 14.0 ml and the final volume was 39.0 ml.

   a. Draw a table and list the data.

   b. What is the molarity of the HBr?

2. How many ml of a .4 M solution of LiOH are needed to neutralize 35 ml of a .35 M solution of HI?

3. What is the molarity of HCl if 24 ml of HCl were needed to neutralize 48 ml of 1.84 M KOH?

Challenge Questions:

4. What is the molarity of $H_2SO_4$ if 24 ml of $H_2SO_4$ were needed to neutralize 48 ml of 1.84 M KOH?

5. What is the molarity of HCl if 24 ml of HCl were needed to neutralize 48 ml of 1.84 M $Ca(OH)_2$?