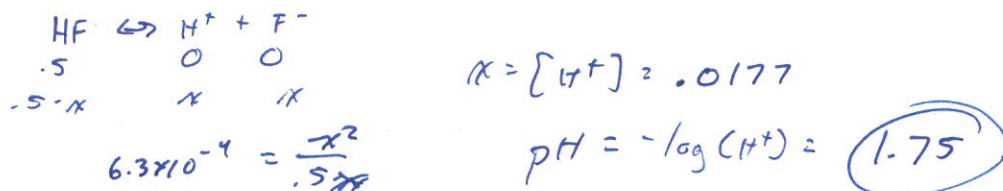
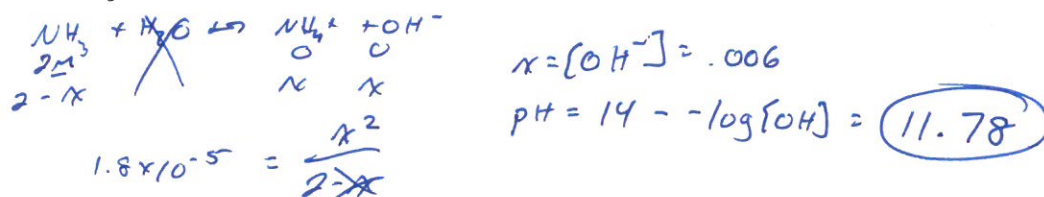


### Acid Base Problems Review

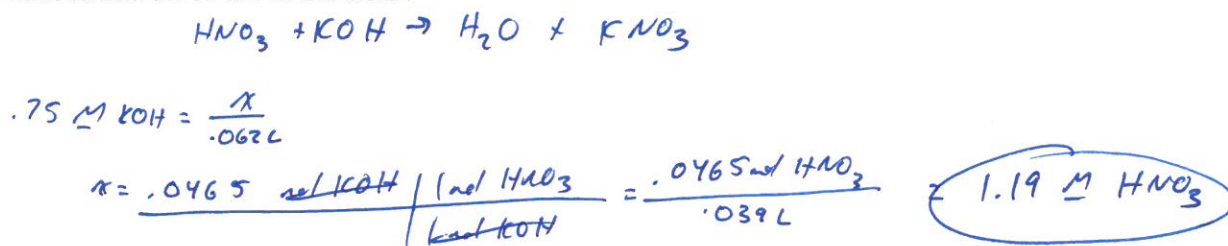
1. What is the pH of a .5 Molar solution of hydrofluoric acid (HF)?



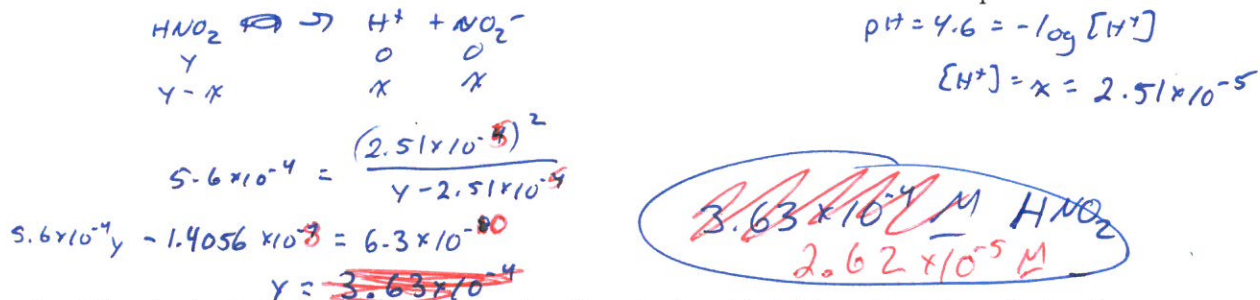
2. What is the pH of a 2 Molar ammonia solution?



3. In order to titrate 39 mL of a solution of nitric acid of unknown concentration, 62 mL of .75 Molar potassium hydroxide solution was required. What is the concentration of the nitric acid?



4. What was the initial concentration of nitrous acid in a solution with a pH of 4.6?



5. What is the initial concentration of sodium hydroxide if the pH of the solution is 12.4?

