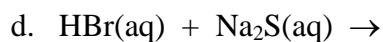
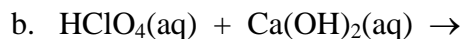
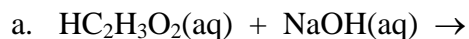


Name: \_\_\_\_\_

**Quiz #7**  
**CHEM 1411 — Fall 2009**

1. Complete and balance the following neutralization reactions: (40 pts)



2. Write balanced molecular, ionic, and net ionic equations for the reaction between hydrobromic acid and potassium hydroxide. (30 pts)

3. A 20.0 mL sample of an unknown HCl solution is titrated to the equivalence point with 18.45 mL of 0.100 M NaOH solution. What is the concentration of the unknown HCl solution? The neutralization reaction is as follows: (30 pts)

