CW/HW: Neutralization Worksheet

Name:

*Find the requested quantities in the following problems.*

**MAVA = MBVB**

1. If it takes 54.4 mL of 0.111 M NaOH to neutralize 125 mL of an HCl solution, what is the concentration of the HCl?
2. If it takes 25.4 mL of 0.0500 M HCl to neutralize 345 mL of NaOH solution, what is the concentration of the NaOH solution?
3. What volume of 0.357M KOH is needed to completely neutralize 125 mL of 0.246M HBr
4. What volume of 0.642M LiOH is needed to titrate 62.6 mL of 0.0480M HNO3?
5. Can I titrate (neutralize) a solution of an unknown concentration with another solution of unknown concentration and still get a meaningful answer? Explain your answer in a few sentences.