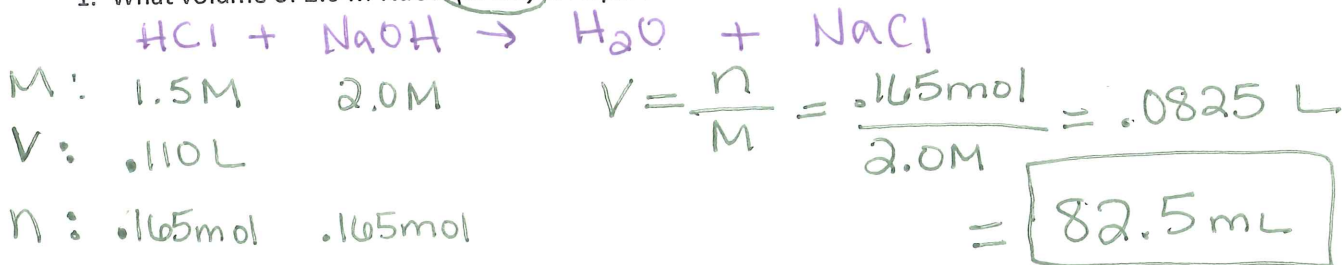


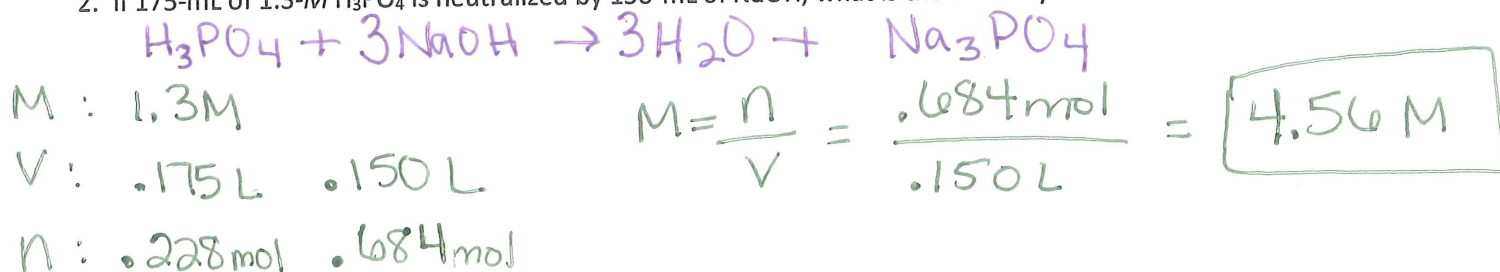
HONORS CHEMISTRY QUIZ 19.4 (V.A)

Write the balanced equation and solve for each problem. Show work and put box around the final answer.

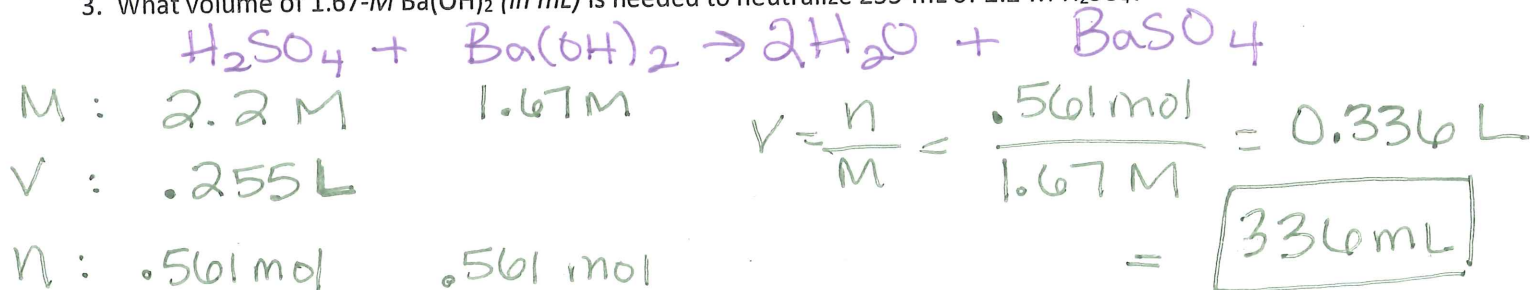
1. What volume of 2.0-M NaOH (in mL) is required to neutralize 110-mL of 1.5-M HCl?



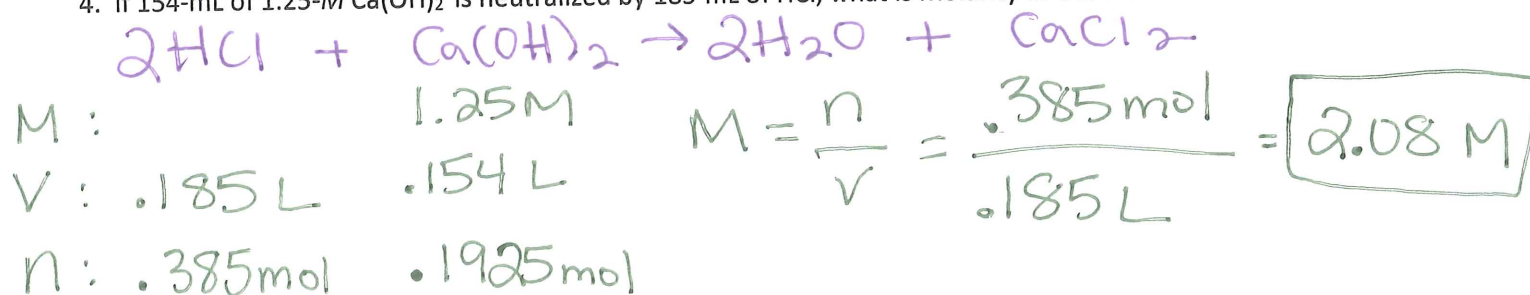
2. If 175-mL of 1.3-M H₃PO₄ is neutralized by 150-mL of NaOH, what is the molarity of the NaOH?



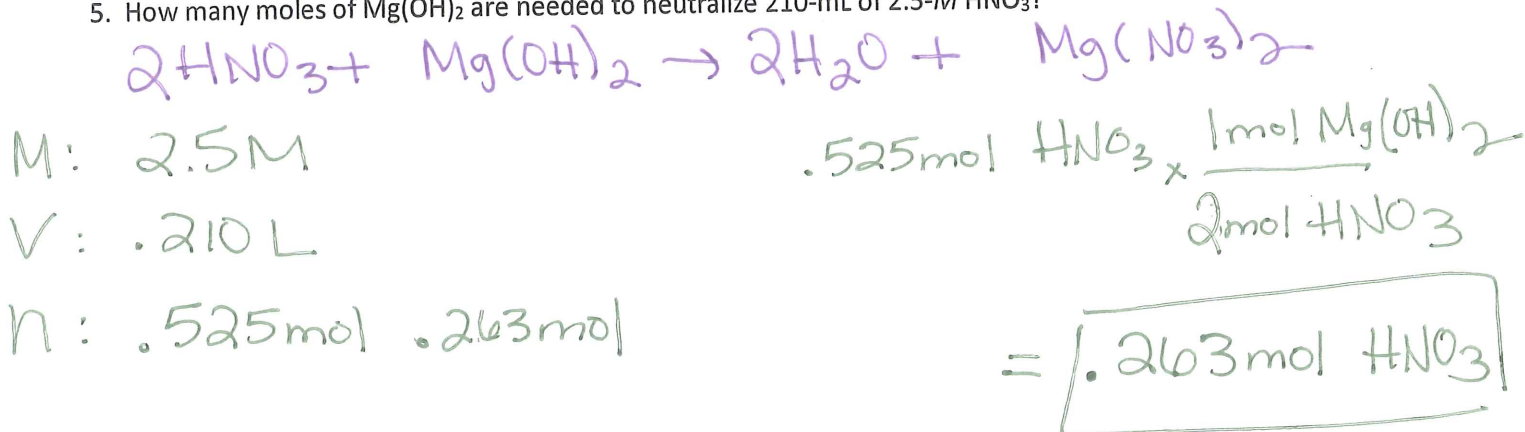
3. What volume of 1.67-M Ba(OH)₂ (in mL) is needed to neutralize 255-mL of 2.2-M H₂SO₄?



4. If 154-mL of 1.25-M Ca(OH)₂ is neutralized by 185-mL of HCl, what is Molarity of the HCl?



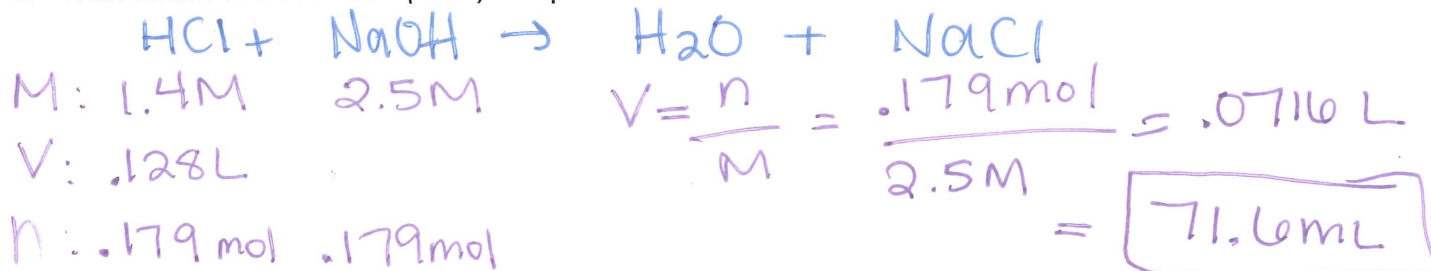
5. How many moles of Mg(OH)₂ are needed to neutralize 210-mL of 2.5-M HNO₃?



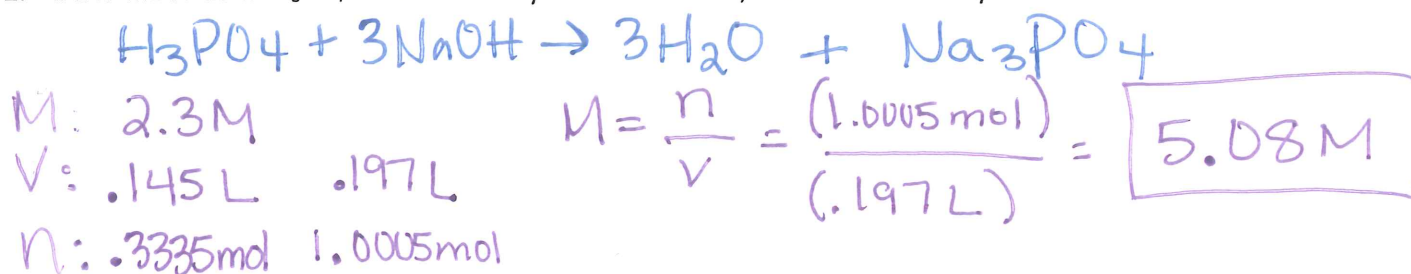
HONORS CHEMISTRY QUIZ 19.4 (V.B)

Write the balanced equation and solve for each problem. Show work and put box around the final answer.

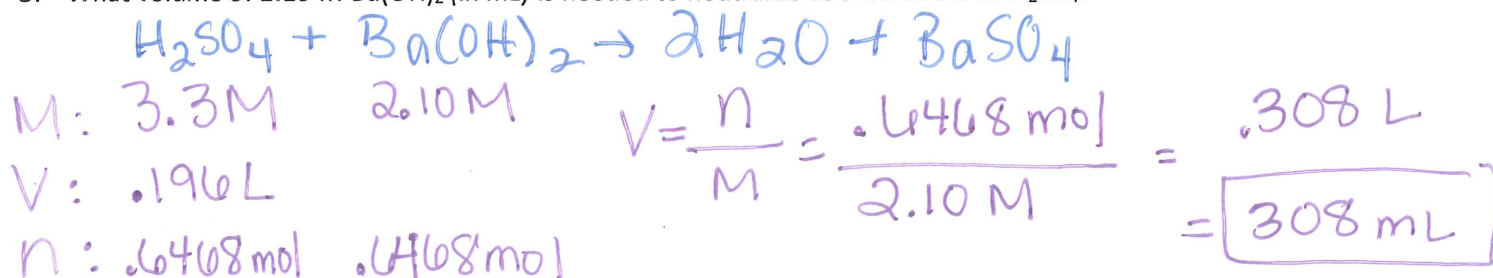
1. What volume of 2.5-M NaOH (in mL) is required to neutralize 128-mL of 1.4-M HCl?



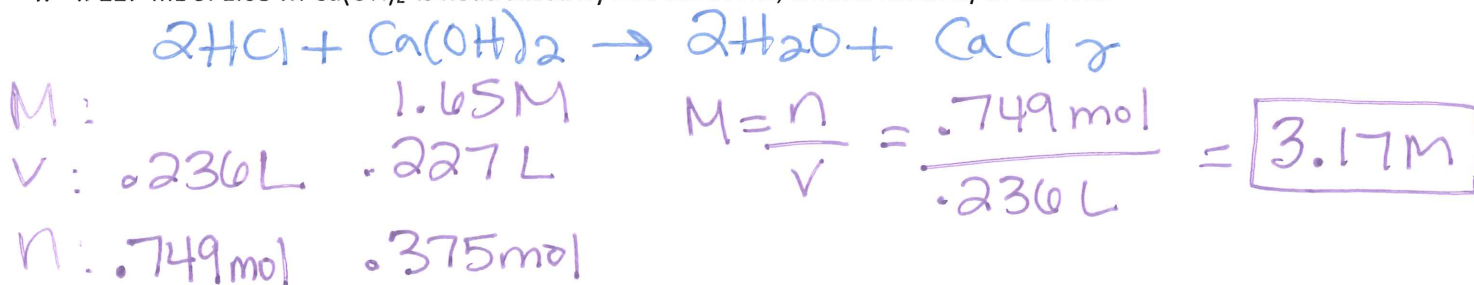
2. If 145-mL of 2.3-M H₃PO₄ is neutralized by 197-mL of NaOH, what is the Molarity of the NaOH?



3. What volume of 2.10-M Ba(OH)₂ (in mL) is needed to neutralize 196-mL of 3.3-M H₂SO₄?



4. If 227-mL of 1.65-M Ca(OH)₂ is neutralized by 236-mL of HCl, what is Molarity of the HCl?



5. How many moles of Mg(OH)₂ are needed to neutralize 257-mL of 2.1-M HNO₃?

