

Quiz: Ch 17
Retake (18 pts)
AP Chemistry

Name:
Period (circle): 6 7
Date:

Show your work for all questions; answer all parts of all questions. No work = no credit. If you are making an assumption, be sure to note what your assumption is.

1. (18 pts) A 25.0 mL sample of 0.100 M $\text{HC}_3\text{H}_5\text{O}_3$ ($\text{pK}_\text{A} = 3.86$) is titrated with a 0.100 M NaOH solution. Calculate the pH after the following volumes of base have been added:
 - a. 0.0 mL

b. 4.0 mL

c. 24.0 mL

d. 25.0 mL

e. 26.0 mL

f. 30.0 mL.