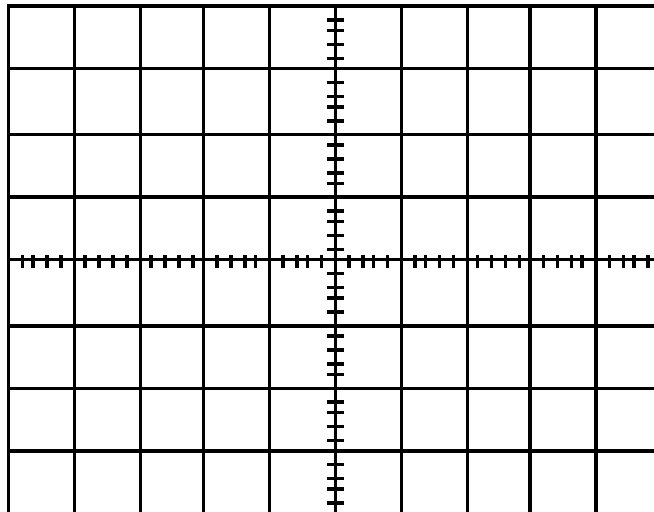
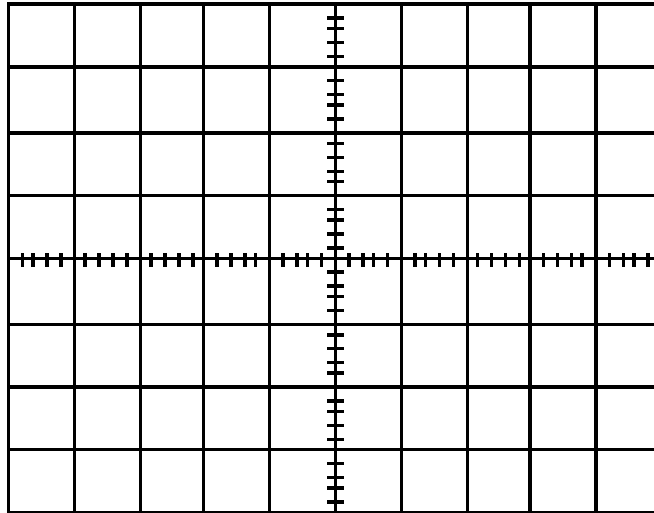


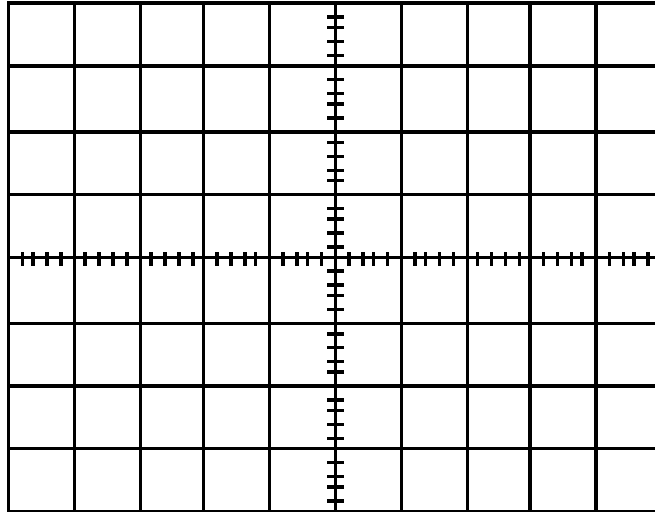
Name: _____
TA: _____ Section: _____

EE 43/100
Lab # 2: Oscilloscope Pre-Lab

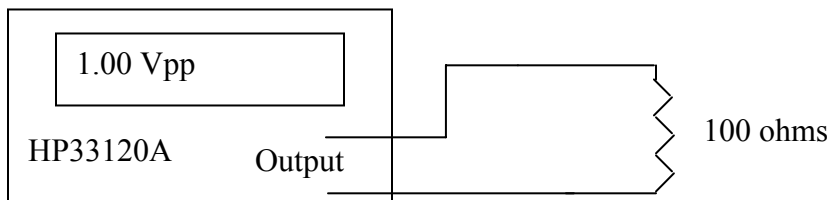
1. Plot the following voltage signals on the grids below. **PLEASE USE THE SCALE SHOWN – V is 0.5 volts/box (vert) and t is 1millisecond/box (horiz).**

- (a) $V1(t) = \sin(2\pi 1000 t)$
- (b) $V2(t) = \sin(2\pi 500 t + \pi/4)$
- (c) $V3(t) = \sin(2\pi 500 t + \pi/4) - 0.5$





2. What is the V_{pp} across the $100\ \Omega$ in the diagram below?



$V_{pp} =$ _____

3. Describe what the oscilloscope does after graphing the voltage over a single time interval, for the following three triggering modes:

Normal:

Auto:

Single: