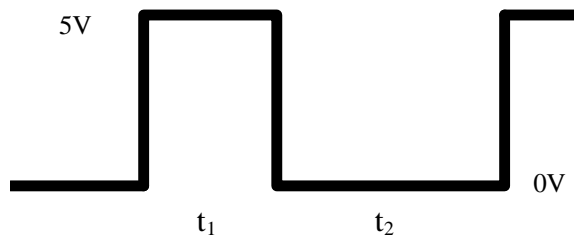


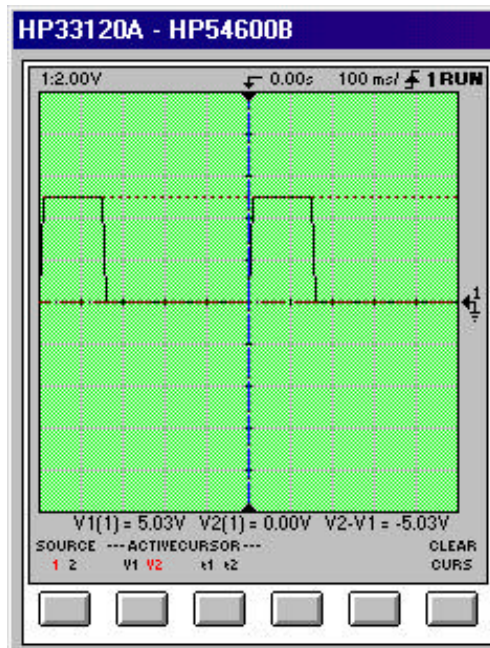
Practical Quiz #1
Function Generator and Oscilloscope

Key Tasks: (1) Set up function generator to obtain a prescribed voltage signal that is typical for digital logic applications. (2) Manually set up oscilloscope to display a prescribed signal that is too slow for Auto Scale to work.

Use the function generator to produce the following output with the voltage cycling between 5 volts (for time t_1) and 0 volts (for time t_2). Display the function generator output on channel 1 of the oscilloscope. Obtain the times t_1 and t_2 from a TA or instructor. The times involved in this quiz are quite long (tenths of seconds). Be sure that you look at this plot carefully before you proceed with this quiz.



When you have successfully completed this task, the scope should look something like what is shown below. Your specific times, etc. will most likely be different, but the form will be the same. This image was created with the Hewlett-Packard Instrument Emulator that is available on the computers in the studio.



Describe your method (use back of paper).

Show your results to a TA or instructor and have them sign this sheet below.

TA/Instructor _____ Passed _____ Not Passed _____ Date _____