

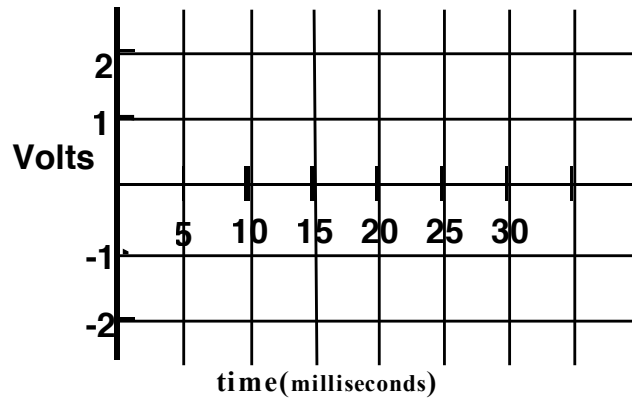
**Prelab_ PHYS222
The Oscilloscope**

1. What is the function of the oscilloscope?

2. Does manipulating the controls of the oscilloscope change the characteristics of the input signal being evaluated? Explain.

3. What is the definition of frequency and period of a wave?

4. Given the figure below draw a 50 Hz sine wave with a peak-to-peak voltage of two volts. (Hint- Convert frequency to period)



5. What is the RMS voltage of the wave form in number four above? Show all work.

6. Determine the period and peak-to-peak voltage of the two waveforms given below. Show all work.

