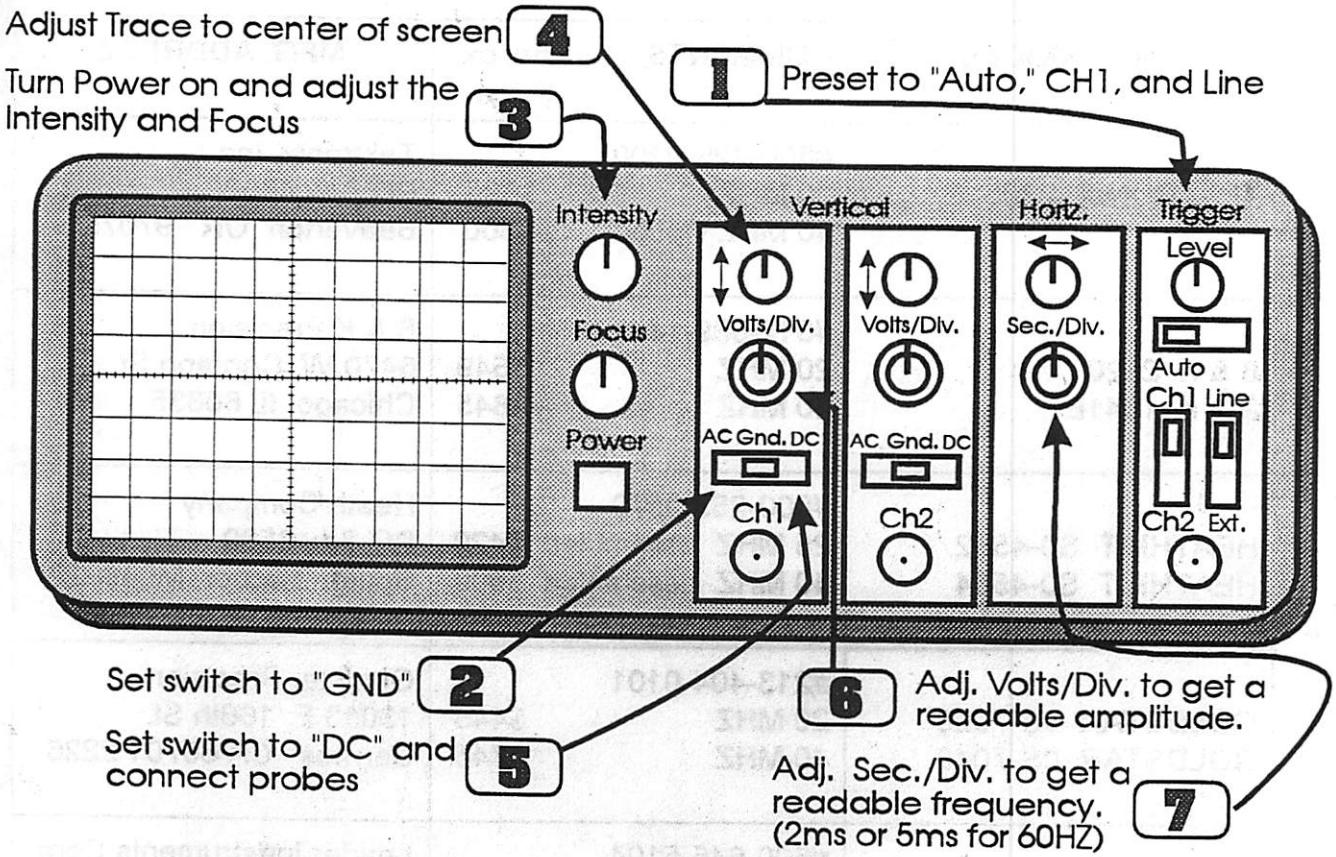
Using An Oscilloscope



Notes: ms(milliseconds) = $\frac{1}{1{,}000}$ sec.

us (micro seconds) = $\frac{1}{1{,}000{,}000}$ sec.

Freq. = $\frac{1}{\text{Time}}$ (sec.) 60 HZ = $\frac{1}{16.7}$ ms

Time = $\frac{1}{\text{Freq.}}$ (Hertz) 16.7 ms = $\frac{1}{60}$ HZ

For AC Waveforms - Peak voltage = RMS x 1.41

- RMS voltage = Peak x .707

Drawing a Waveform

A. Label the "zero" line.

B. Draw 2 cycles of the waveform.

C. Label key voltages.

D. Indicate time for 1 cycle.