

Assemble the circuit in Fig. 1. Notice that the signal generator and the oscilloscope are both connected across the load. Set the signal generator to 1kHz and for maximum amplitude but no D.C. offset.

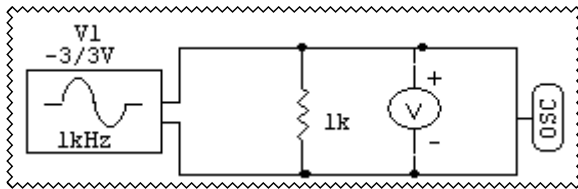


Fig. 1

Measure volts peak to peak:  $V_{pp} =$  \_\_\_\_\_

Calculate volts peak:  $V_p =$  \_\_\_\_\_

Calculate Volts RMS:  $V_{rms} =$  \_\_\_\_\_

Does the calculated value of  $V_{rms}$  match the reading of the voltmeter?

Measure the period of the observed waveform:

$T =$  \_\_\_\_\_

Calculate the frequency of the waveform:

$F =$  \_\_\_\_\_

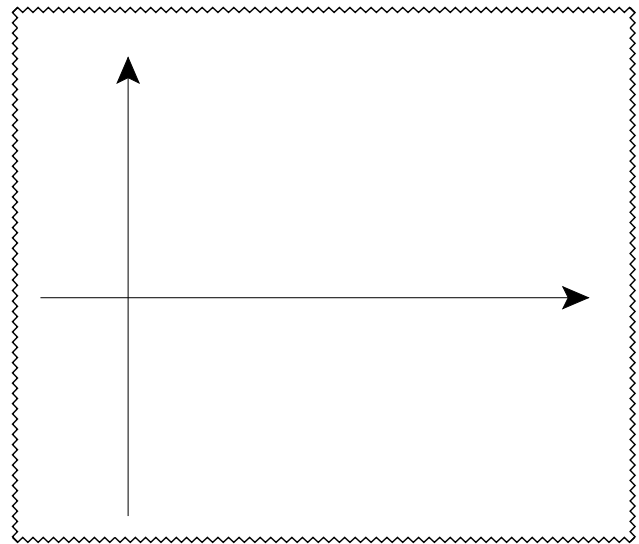


Fig. 2

Draw the observed waveform in Fig. 2.  
Label the axes and indicate  $V_{pp}$ ,  $V_p$ , and  $T$ .