DC and AC Electricity

Interpreting Oscilloscope Displays

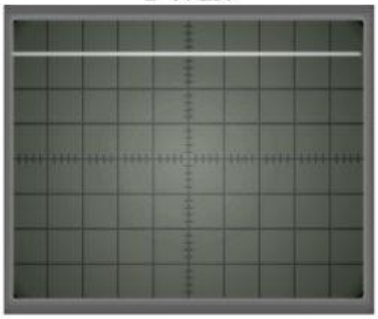
Part 1

The screens below show three electricity readings with different voltages.

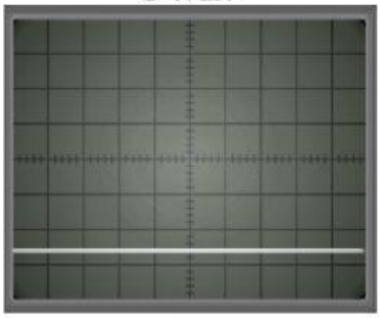
The scale used for each display is shown above the picture.

Use the information provided to calculate the displayed voltage (or peak voltage) **to the nearest volt**.

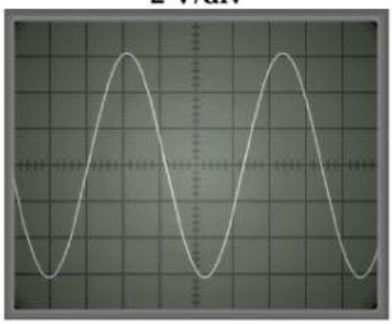
1 V/div



5 V/div



2 V/div



Part 2

The picture below shows the entire oscilloscope. Use the settings selected for Channel I to find the peak voltage of the AC wave **to the nearest volt** and the frequency of the wave **to the nearest 5 Hz**. HINT: For best results, count the time for multiple waves then divide to get the time for one wave.

Peak voltage: **V** Frequency: **Hz**

Oscilloscope illustrations created using https://physics-zone.com/virtual-oscilloscope/