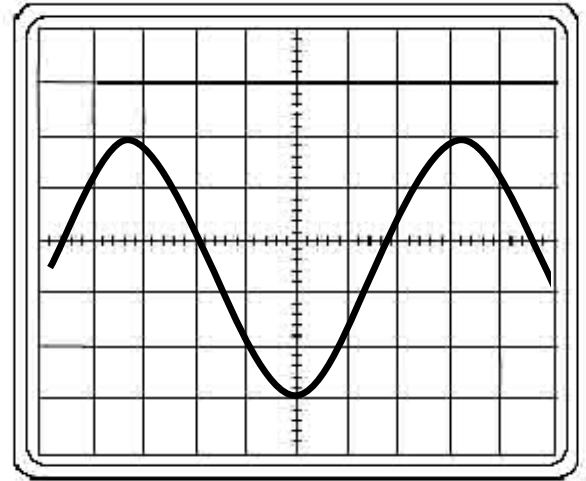


Name: _____ Lab Section: _____ Date: _____

Prelab: The Cathode-Ray Oscilloscope

Instructions: Prepare for this lab activity by answering the questions below. Note that this is a **PreLab**. It must be turned in at the start of the lab period. Time cannot be given in lab to perform PreLab activities. After the start of lab activities, PreLabs cannot be accepted. Explain your answers. Points will be taken off if your work is not neat and well organized.

1. (6 points) Suppose you see the trace to the right on your oscilloscope screen. You have set the vertical scale to 20 volt per square and the horizontal to 5 ms per square. What is the peak-to-peak voltage? What is the rms voltage?



2. (6 points) Suppose you see the trace above on your oscilloscope. You have set the vertical scale to 20 volt per square and the horizontal to 5 ms per square. What is the period of the signal? What is the frequency of the signal?
3. (3 points) What precaution is given to prevent damage to the oscilloscope?