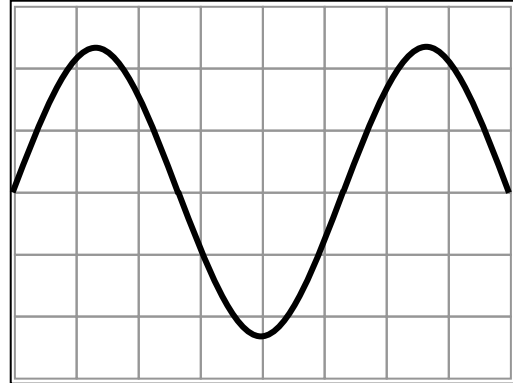


### Quiz #10

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Name: \_\_\_\_\_

An oscilloscope screen is shown. The 'Scope is set to 2 volts per division, and 1 ms per division. The very bottom edge of the screen corresponds to a voltage of zero volts. Use at least 2 sig figs for every numerical answer.



1. What quantity is plotted on the horizontal axis? (e.g., distance, time, voltage, current, force, mass, charge, etc.)

2. What quantity is plotted on the vertical axis?

3. What is the period of this signal? Include appropriate units.

4. What is the amplitude of this signal? Include units.

5. What is the frequency of this signal? Include units.

6. What is the "DC Offset" of this signal?

7. A second signal has a DC offset of +4 volts, a period of 4 ms, and an amplitude of 3 Volts. Use a pencil, not a pen, to draw this signal, assuming that this screen has the same settings described above question 1.

