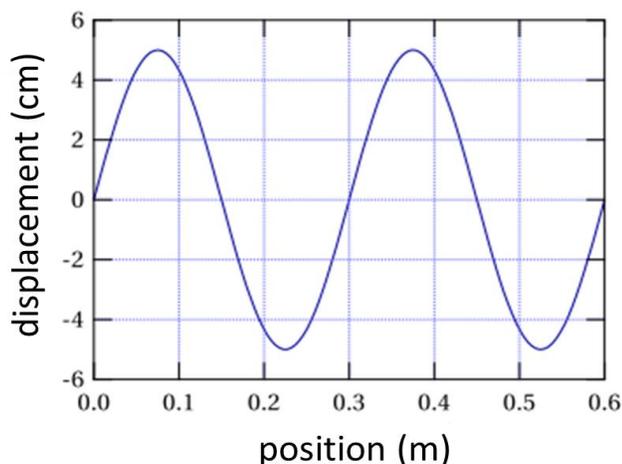

PLEASE SUBMIT YOUR WORK THROUGH GOOGLE CLASSROOM

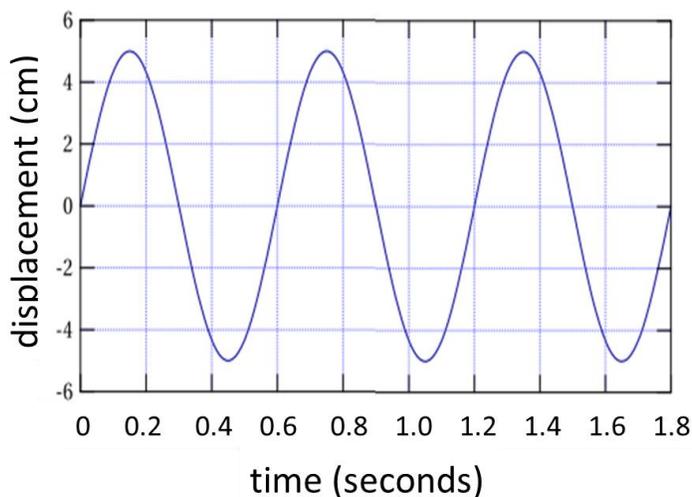
1. **Review Slides 4-7** (that introduce wave parameters) of **Lecture #16**.
2. **The graph below shows a *snapshot*** (similar to Slide 4) **of a wave travelling along a thin rope.** X-axis represents position along the rope; Y-axis shows displacement of the corresponding “fragment” of the rope (undisturbed rope would look like a straight line at $Y=0$).



Measure the following wave parameters (pay attention to units!):

- A. Amplitude=
- B. Wavelength=
- C. How many full waves (cycles) are shown?

3. **The second graph shows the same wave, but now in *time domain*** (tracking how a particular “fragment” vibrates in time, similar to Slide 6).



Measure:

- D. Period=
 - E. How many full waves (cycles) are shown?
- Calculate frequency** (see Slide 7):
- F. Frequency=