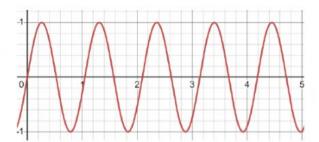
Wave Properties and Graphs

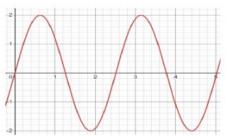
1	As the wavelength of a wave in a uniform medium increases, its speed will
	a. decrease
	b. Increase
	c. Remain the same
2.	As the wavelength of a wave in a uniform medium increases, its frequency will
	a. Decrease
	b. Increase
	c. Remain the same
3.	What is the speed of a wave that has a frequency of 200 Hz and a wavelength of
	0.50 m?
4.	The period of a wave is 0.0300 seconds. It travels at a velocity of 10.0 m/s. Determine
	the frequency and the wavelength of the wave.
	a. Frequency
	b. Wavelength
5.	A wave having a wavelength of 4.0 meters and an amplitude of 2.5 meters travels a
	distance of 8.0 seconds. Determine the frequency and the period of the wave.
	a. Frequency
	b. Period
6.	Assuming the x and y-axis are in cm, what is the wavelength and amplitude of the wave
	pictured below?
	a. Wavelength
	b. Amplitude
	3
	2
	0 1 2 3 4 0



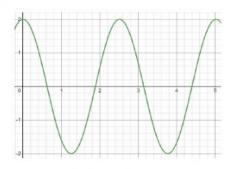
- 7. Assuming the y-axis is cm and the x-axis is s, what is the frequency, period, and wave speed of the wave pictured below?
 - a. Frequency _____
 - b. Period _____
 - c. Wave speed _____



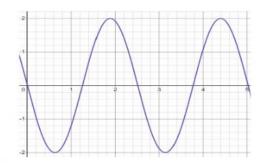
8. Identify the correct velocity graph that corresponds to the displacement-time graph pictured below



Displacement-time graph

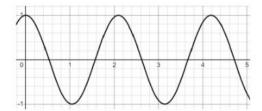


A.

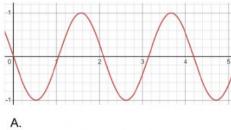


B.

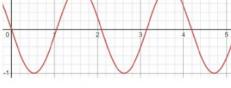
9. Identify the correct acceleration graph for the velocity graph pictured below



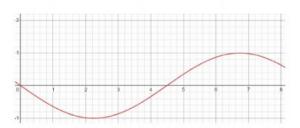
Velocity graph



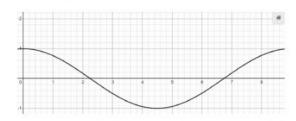
B.



10. Identify the correct displacement-time graph for the acceleration graph pictured below



Acceleration Graph



B.

A.

