**Worksheet 1 - Waves**

1. What is the wavelength for an FM radio signal that has a frequency of 107.8 MHz? (speed of light, ***c***, is 3.00 x 108 m/s)



1. The drawing shows a transverse wave’s displacement vs distance graph. The wave is travelling at a speed of 2.50 m/s. Determine: (a) the wavelength, (b) the frequency of the wave, (c) the amplitude of the wave.



(a) 

(b) 

(c) 

1. A wave has a frequency of 262 Hz. What is the time interval between successive wave crests?



1. A splendid light wave has a wavelength of 580 nm. What is the frequency of the wave?

