Written Homework #13   Physics 131 Spring 2009

Due on Monday 11 May 2009 at the beginning of lecture.

Write down your name and student ID number.

A 0.5 m-long guitar string is under 3 N of tension. It vibrates at a frequency of 800 Hz and the wavelength is 0.56 cm. (a) Calculate the speed of the wave. (b) Calculate the mass of the string.

Show your work to get full credit.