Experiment 13: Standing Waves on a String

Student Name: _____

Section Number: _____

PRELAB

PRE-LAB Instructions:

Print out this page. Feel free to refer to the lab Instructions and other materials, your physics textbook, other students, etc. to help you to ponder, understand, and work out answers to the following question(s). Show your work & answers in the space(s) provided.

PRE-LAB Questions

1) How do you produce a standing wave in any material?

2) Explain how the wavelength of a standing wave in a string is related to the properties of the string.

3) Make a sketch showing the difference between the first, second, third, and fourth harmonics in a stretched string. Attach a separate sheet if necessary.