Name:	Student ID:

Physics 9HC DL #1 Lab Report

I. Wave Reflection

1. Describe a feature that distinguishes the reflection of a wave pulse (a bump in the spring) off a fixed end from a reflection off a loose end.

2. Does this reflection rule apply to waves that are more complicated than a simple bump? Provide a basic before/after reflection sketch (please don't submit a picture or a screen capture) of a wave you tried in the simulator that demonstrates your answer.

II. Computing the Tension

3. Use what you know about the physics of waves on strings to compute the three tensions (yes, they are very small numbers).

4. Are the three tension settings evenly-spaced? That is, is the increase in tension from "Low" to the middle setting the same as the increase from the middle setting to "High"? If not, can you discern any pattern to these two jumps?