

Name:

Student ID:

Physics 9HA DL #03 Lab Report

I. **Raw Data** – Submit the two data runs (papers with dots on them).

II. **Data Analysis** – Fill out the tables below, and provide the uncertainty calculations in the space below them.

dropped from above head level

dot	Δx	Δx^2
1		
2		
3		
4		
5		
6		
7		
8		

dropped from waist level

dot	Δx	Δx^2
1		
2		
3		
4		
5		
6		
7		
8		

$$\sigma_{head} = ?$$

$$\sigma_{waist} = ?$$

III. Questions

1. Compare the two runs in terms of the uncertainties. Discuss the implications for future experiments in which you have some discretion in the procedure you follow.

