Name	Sec
Prelab-PHYS222 Diffraction and Interference (Spring 20121 version)	
1. What is the objective of this lab?	
2. What is diffraction?	
3. What is interference?	
Go to lab website and click on Diffraction & Interference items	
This link will show you how to measure diffraction pattern	
4. After viewing website above answer the following question by clicking on	
<u>Data to answer pre-lab question 5</u> next to pre-lab link.	
If you are in Monday sections use slit A If you are in Tuesday sections use slit B If you are in Wednesday sections use slit C	

Using the ruler in the photo determine the width (W) of the pattern and distance to screen to calculate the wavelength of the laser. Slit width is given. **Use eq. 29-1 in procedure.** Show all work.

5. Using the website "How to measure diffraction patterns answer the following.

Are the spacings between double slit patterns that you mark in this experiment evenly spaced or irregularly spaced. Look at how they are marked and measured. An examination of the photo should quickly provide the correct answer. Explain your answer.