# LAB #3

## Lab #2 Revisited...

1) Sally has an opportunity to receive a \$5000 scholarship next fall if she achieves a 3.75 cumulative GPA by the end of Spring 2000. What is her current cumulative GPA?

\_\_\_\_\_ 2) What Spring 2000 semester GPA will she need for the scholarship?

<u>Semester</u>	Hours	Semester GPA	
Spring 2000	15		
Fall 1999	18	3.85	
Spring 1999	16	3.80	
Fall 1998	12	3.75	
Spring 1998	16	3.80	
Fall 1997	18	3.43	

### Mean, Median, Mode, & Range

		Mean	Median	Mode	Range
3)	10, 11, 12, 13, 15, 30, 60, 120				
4)	10, 12, 13, 15, 20, 40, 80, 120				
5)	90, 95, 92, 87, 83, 85, 86, 78, 92, 77				
6)	1, 4, 5, 7, 9, 2, 4, 6, 8, 1, 6, 4, 7, 5				

### **Standard Deviation**

\_\_\_\_\_7) Calculate standard deviation for #4 using deviations scores.

8) Calculate the standard deviation for **#6** using (a) deviations scores, and (b) raw scores.

### IVs, DVs, Extraneous Variables, and Measurement...

- 9) Design your own study focusing on **any issue** using an independent variable and a dependent variable. Discuss how you would measure each variable. Discuss the anticipated results. Also discuss possible extraneous variables that might affect your results (and how). Finally, discuss the possible benefits (and costs) of such a study.
- 10) Design another study focusing on a **social issue** using an independent variable and a dependent variable. Discuss how you would measure each variable. Discuss the anticipated results. Also discuss possible extraneous variables that might affect your results (and how). Finally, discuss the possible benefits (and costs) of such a study.