

## ALG. II Scatter Plots Lab

### I. To graph data on the TI-81:

1. 2nd STAT
2. DATA #2
3. ENTER
4. Y=; CLEAR
5. 2ND STAT
6. DATA #1
7. Enter data.
8. 2ND QUIT
9. RANGE: adjust according to data
10. 2ND QUIT
11. 2ND STAT
12. DRAW #2
13. 2ND STAT #2
14. ENTER
15. Y =
16. VARS; LR #4, GRAPH
17. 2ND STAT
18. DRAW #2

### II. Gather the following information from your group and use it to answer the following:

group member					
shoe size (x)					
height in inches (Y)					

1. Write a prediction equation for the data you gathered.
2. Use the TI-81 to graph this information. What equation did you get from the calculator?
3. Does this information approximate a line?

group member					
1st number in address (x)					
last number in phone number (y)					

1. Write a prediction equation for the data you gathered.
2. Use the TI-81 to graph this information. What equation did you get from the calculator?
3. Does this information approximate a line?

III. For each set of data use the calculator to graph and also graph your line of best fit on the calculator. Was your equation close? Sketch both equations for each set of data below and label appropriately.