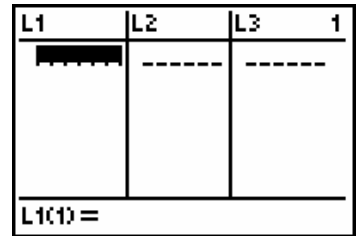




5. Enter the data into two lists in your calculator. Press STAT-ENTER to access the lists. Clear any data that may be there, and enter your data into lists 1 and 2.

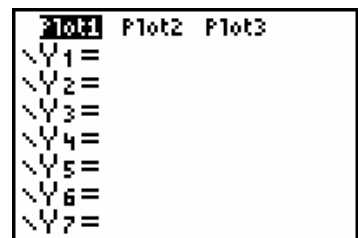


6. Find the equation of the linear regression line through the data points. Press STAT-RIGHT ARROW-4-ENTER. Write it below and graph it on your scatterplot.

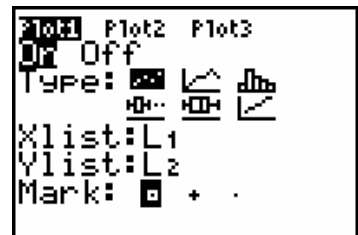
7.  $m = \underline{\hspace{2cm}}$ . What should our slope equal? What does this mean?

8.  $b = \underline{\hspace{2cm}}$ . What should our y-intercept equal? What does this mean?

9. Graph your line on your calculator. Press Y=, make sure all of the other equations are clear, and type in your equation.



10. Press 2<sup>ND</sup>-Y=-ENTER to set up your scatterplot. Make your screen look like the one at the right. Press ZOOM-9 to see your scatterplot.



11. If we measured our diameter and circumference with different units, how would that change our graph?