**Algebra 1 Chapter 6: Graphing Calculator Instructions**

|  |  |
| --- | --- |
| **INSERTING POINTS INTO A LIST** |  |
| 1. Press the STAT key. Your screen should look like this. |  |
| 2. Choose Option 1: EDIT by hitting ENTER. Your screen should look like this |  |
| 3. Enter data into the Lists. Press enter after each number.  L1= X Values L2= Y Values  \*Make sure to check all of your numbers! | http://faculty.kutztown.edu/schaeffe/Tutorials/Statistics/1-Var-Stats/lists.gif |
| 4. To get back to the home screen press the 2ND button and then the MODE button | http://ecx.images-amazon.com/images/I/71RH7Vj8FUL._SL1500_.jpg |
| **TURNING ON PLOT**  **(to see the points on the graph)** |  |
| 5. Now you must turn on Plot so that you can see the points on your graph. Press the 2nd button and then the Y= button. Your screen should look like this. | http://www2.seminolestate.edu/rrapalje/CollegeAlgebra/TI_85-86/TI%2084%20Workshop%20Notes%20Pt%202%20Graphing_files/image016.gif |
| 6. Press ENTER to select Plot1. Your screen should look like this. Now move your cursor over the On button and press ENTER. | http://faculty.kutztown.edu/schaeffe/Tutorials/Statistics/Box_Plot/Box-Plot-4.gif |
| 7. Now you must Zoom in so that you can see the points. Press the ZOOM button. Your screen should look like this. | http://www2.seminolestate.edu/rrapalje/CollegeAlgebra/TI_85-86/TI%2084%20Workshop%20Notes%20Pt%202%20Graphing_files/image010.gif |
| **ZOOM IN ON YOUR STAT PLOT** |  |
| 8. Arrow down to the number 9:ZoomStat and press ENTER. You should now see your points on the graph. | http://faculty.kutztown.edu/schaeffe/Tutorials/Statistics/Box_Plot/Box-Plot-5.gif |
| 9. To get back to the home screen press the 2ND button and then the MODE button. | http://ecx.images-amazon.com/images/I/71RH7Vj8FUL._SL1500_.jpg |
| **FINDING EQUATION LINE OF BEST FIT** |  |
| 10. Press the STAT button. Your screen should look like this. | http://cfcc.edu/faculty/cmoore/TI-STAT_files/image008.jpg |
| 11. Using the arrow key move over to CALC and press ENTER. Your screen should look like this. | http://www.mathbootcamps.com/wp-content/uploads/TI84-1-var-stats.png |
| 12. Arrow down to 4:LinReg (ax+b) and press ENTER. | http://www.regentsprep.org/regents/math/algebra/AD4/linefi11.gif |
| 13. Arrow down to Store Reg EQ. Your cursor should be blinking next to it. Your screen should look like this. | http://education.ti.com/kbase/c30651ss3.jpg |
| 14. Press the VARS button. Then arrow over to the Y-VARS and highlight 1: Function and press ENTER. | http://www.prenhall.com/divisions/esm/app/graphing/ti83/Home_Screen/Menu_Keys/VARS/images/vars_main.gif |
| 15. Press ENTER to select Y1. Your screen should now look like this. | http://3.bp.blogspot.com/-CR0k2cxPRxc/T3S9krPxghI/AAAAAAAADzw/2_ZC6koA7xk/s1600/Linear+Regression+Menu.JPG |
| 16. Arrow down to CALCULATE and press ENTER. Your screen should look like this.  \*You will have different numbers!  A=Slope B= Y-Intercept | http://www.calcblog.com/wp-content/uploads/2010/12/linreg83-4.png |
| 17. Press the GRAPH button. Your screen should now have a line of best fit through your plotted points. | http://www.oglethorpe.edu/faculty/~j_nardo/TechnologyHandouts/Applied%20Calculus/New%20App%20Calc%20Intro%20to%20Modeling%20and%20Graphing%20Calculators/images/image049.gif |
| 18. To get back to the home screen press the 2ND button and then the MODE button. | http://ecx.images-amazon.com/images/I/71RH7Vj8FUL._SL1500_.jpg |
| **TO ROUND VALUES**  **(to the nearest hundredth)** |  |
| 19. Press the MODE button. Your screen should look like this. | http://www.prenhall.com/divisions/esm/app/graphing/ti83/Home_Screen/Menu_Keys/mode/images/mode_window.gif |
| 20. Arrow down to the word FLOAT and then arrow over to the number 2. | http://i3.ytimg.com/vi/w8eVTo5ypQ8/hqdefault.jpg |
| 21. To get back to the home screen press the 2ND button and then the MODE button. | http://ecx.images-amazon.com/images/I/71RH7Vj8FUL._SL1500_.jpg |
| **TO TURN ON R (Correlation Coefficient)** |  |
| 22. Press the 2nd button and then the number 0 to get to the Catalog. | http://www.prenhall.com/divisions/esm/app/graphing/ti83/Home_Screen/Menu_Keys/catalog/images/catalog_main.gif |
| 23. Arrow down to DiagnosticOn and then press ENTER. And then press ENTER one more time. Your screen should look like this. | http://www.itc.csmd.edu/mth/ti83/basics/images/diagno7.gif |