Exponential Regressions with TI-83, TI-83- Plus and TI-84

1) Click on the STAT button of your TI 84 2) Select "Edit". Here you will see vertical columns with l_1 (list 1), L_2(list 2) etc.. These columns are where you type in your ordered pairs, your x and y values. X values goes in l_1 and y values go into l_2.	EDIT CALC TESTS 1:Edit… 2:SortA(3:SortD(4:ClrList 5:SetUpEditor L1 L2 L3 1 L1(1)=
3) Enter your x and y values into the Screen (This example will use the ordered the values in the picture on the right)	L1 L2 L3 2 -1 .6 0 2.05 1 5.8 2 18.5 3 53 L2(6) =
4)Press "STAT" And scroll right once to highlight "CALC"	EDIT CALC TESTS 1:1-Var Stats 2:2-Var Stats 3:Med-Med 4:LinReg(ax+b) 5:QuadReg 6:CubicReg 7↓QuartReg
5) Scroll down to item '0' which says ExpReg	EDIT CALC TESTS 4↑LinReg(ax+b) 5:QuadReg 6:CubicReg 7:QuartReg 8:LinReg(a+bx) 9:LnReg 0:ExpReg
6) Hit enter twice (first time just gets ExpReg on screen; on second, the TI actually calculates the exponential regression) to see the exponential regression. If you used the numbers on the page up, above you should see the following screen.	ExpReg y=a*b^x a=1.923930724 b=3.053280546
7) Therefore, the exponential equation that best fits this data is $y = 1.923930724 (3.053280546)^x$	