Exponential Regressions on TI's

Tested on TI-83, TI-83- Plus and TI-84 Plus Silver Edition

1) Press the STAT

2) Press Enter:

3) Enter your x and y values into the Screen (This example will use the ordered the values in the picture→)

4)Press STAT And scroll right once to highlight "CALC" :

5) Scroll down to item '0' which says 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

7) Therefore, the exponential equation that best fits this data is y = 1.923930724 $(3.053280546)^x$