**Calculator Notes – Finding Exponential Regression**

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| **1) Enter Data Points** | Press **STAT**, Press **ENTER**  Type the x-values into L1  Type the y-values into L2 | |
| **2) Find the Exponential Model** | Press **STAT**, arrow over to Calc, arrow down to ExpReg, Press **ENTER**  What you do now depends on what you see… | |
| If you have the option to Store RegEq:  Arrow down to Store RegEq, Press **VARS**, arrow over to Y-VARS, Press **ENTER**, press **ENTER** again  Press **ENTER**, Press **ENTER** | If you do not see any options:  Press **VARS**, arrow over to Y-VARS, Press **ENTER**, press **ENTER** again  Press **ENTER** |
| If you forget to do the last step (i.e., pressing VARS, etc):  Press **Y=**, clear any equations you see, go to Y1=, Press **VARS**, arrow down to Statistics, Press **ENTER**, arrow over to Eq, Press **ENTER**  You should see the RegEq in Y1. If you don’t, repeat step 2) from the beginning. | |
| **3) Plot data points** | Press **2ND**, Press **Y=**, Press **ENTER**, arrow to On, Press **ENTER**, check your settings (scatter plot, L1, L2, etc…)  Press **ZOOM**, arrow down to ZoomStat, Press **ENTER**  You should see the graph of all of your data points AND the exponential model. | |
| **Troubleshooting** | If you don’t see the points, the equation, or the equation looks completely wrong then:   1. If that doesn’t work… 2. Check that you entered the data correctly. If that doesn’t work… 3. Repeat step 2) from the beginning. If that doesn’t work, start over… | |
| For missing data points: | Repeat Step 3) | |
| For missing curve: | Check that the RegEq is actually in Y1. If it is not, then…  Press **Y=**, clear any equations you see, go to Y1=, Press **VARS**, arrow down to Statistics, Press **ENTER**, arrow over to Eq, Press **ENTER**  If that didn’t work, then check that you entered the data correctly.  If that wasn’t the problem, then repeat step 2) from the beginning. | |