

Function Regression on TI-83/TI-84 Calculators

To Enter Data

Stat → **Edit** → Type data into L1 and L2

(To clear previous data, scroll up to highlight L1, push **clear** → **enter**)

To Plot the Data in your list

Y= → clear any equations

Stat Plot (**2nd** / **y=**) → Plot1 **On**

Zoom → ZoomStat

To Find/Graph Line of Best Fit/And Correlation Coefficient (r)

Stat → **Calc** → LinReg(ax + b) → **Vars** → **Y-Vars** → Function type **Y1** → Enter → Graph

(Stores equation into Y=)

New Operating System

Stat → **Calc** → LinReg(ax + b)

x List: **L1**

y List: **L2**

Store Reg Eq: **Vars** → **Y-Vars** → Function type **Y1**

If the correlation coefficient is not showing: **Catolog(**2nd** / 0) → **DiagnosticOn** → Enter

To plug in an x-value (main screen)

Vars → **Y-Vars** → Function → **Y1** → (x-value)