Generating a List from Another List or Lists

Suppose you have $x$ values in $L1$, $y$ values in $L2$, and the linear model $y = 2.5x + 128.34$.

To store the predicted $y$ values in $L3$ we apply the model to the $x$ values in $L1$ as follows:

1. While in calculation mode, enter $2.5 * [2nd] L1 + 128.34 [STO] [2nd] L3$ into the calculator and press [ENTER].

2. The calculator will display the list of values it has stored into $L3$.

To Compute the residual values (actual $y$ - predicted $y$), placing the residuals into $L4$:


Residual Plots

A residual plot is just a scatter plot of the residual data. Let’s say your $x$ values are in $L1$ and your residual values are in $L4$.

2. Modify the plot settings: $L4$ Ylist (dependent).

If necessary, refer to the Scatter Plots handout to review the steps for producing a scatter plot. After resizing the graphing window, if necessary, you will be able to graph your residual plot.