**Graphing Calculator Cheat sheet for Correlation/Regression**

**To clear a list:**
STAT
EDIT
Arrow key up until you are on the name of the list you want to clear i.e. L₁
Press CLEAR (Not DEL)
Press down arrow

**To enter data:**

STAT
EDIT
Type data values into list(s)

**Finding r, a, b:** *Make sure StatDiagnostic is On:
press MODE arrow down to StatDiagnostic: ON press ENTER
only needs to be done once or if calculator memory is reset or loses charge for a long time

STAT
CALC
4:LinReg (ax+b)
X List: L₁, Y List: L₂,
FreqList: and Store RegEQ: Both Blank
Calculate; Enter

You can

**Graphing a Scatterplot:**

2ⁿᵈ Statplot
set up the graphing screen,
make sure graph is “ON” and others are “OFF”
ZOOM 9

**Graphing line of best fit on scatterplot:**
STAT
CALC
4:LinReg(ax+b)
Where it says Store RegEQ: Y₁
Y₁ can be found by pressing VARS, right arrow to Function, then 1:Y₁ and press Enter twice to Calculate. When you press Zoom 9 the regression equation will appear on the graph.
Creating residuals list:

2nd LIST
RESID STO 2nd L# Usually L 3

Finding sum of residuals:

2nd LIST
MATH
SUM(L#)

Creating residual plot:

2nd Statplot
set lists to L1 and resid list# (L3)
Zoom 9