

Finding Regression Lines in the Graphing Calculator:

(Practice with 9.1/9.2 Worksheet #2 or #4)

- You are given a list of X and Y values in a table

Now in the calculator...

STAT – ENTER (to select 1:Edit)

Enter X-values into List 1

Enter Y-values into List 2

2nd – QUIT (to exit to the main screen)

STAT -- → -- ↓ (until...) – **LinReg(ax+b)**

(on XList) **2nd – 1** (to make sure it says List 1)

↓ (to YList) **2nd – 2** (to make sure it says List 2)

↓ (until...) – **Calculate – ENTER**

You should see $y=ax+b$ at the top, then:

a=

b=

r^2 =

r=

The equation is the form for Regression Lines. You need to round the “a” and “b” to the correct number of decimal places, then plug into “ $y = ax + b$ ” to create the Regression line.