

Finding Correlation 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 last one (r=) is your correlation!

...if you don't see r^2 or r, then we need to turn on the Diagnostic. Follow the steps below, then repeat the top of this direction sheet.

2nd – CATALOG (at the Zero button) -- **↓ (until...) – DiagnosticON – ENTER – ENTER** (it should say "Done")