**Finding Equation of a Line**

**in the calculator when given a TABLE**

**OR at least two POINTS**

**(SELL S**ome **C**old **L**emonade**)**

**S**

**E**

**L**

**L**

**S**ome

**C**old

**L**emonade

**STEP 1:**

**E**DIT

**S**TAT

**Press**

**STEP 2:**

**Plug X-values in L**ist 1 **and Y-values in L**ist 2

|  |  |
| --- | --- |
| **L1** | **L2** |
|  |  |
|  |  |

**STEP 3:**

**Find the equation**

**→**

**S**TAT

**Press (to C**ALC**)**

**Press 4: L**inReg **(ax +b)**

**ENTER**

**ENTER**

**Then press**

**YOU WILL THEN SEE:**

**LinReg**

**y = ax + b (equation of line)**

**a = (slope)**

**b = (y-intercept)**

**r2 = (coefficient of determination…we don’t need that one)**

**r = (correlation coefficient… how closely the regression line fits the plotted data..so the closer to 1 or -1 the better the equation models the data)**

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