Save This Sheet!

TI-84+ Family Quick Reference Sheet
Algebra 1 Level

TI-84 Plus CE
PYTHON

NORMAL FLOAT AUTO REAL RADIAN MP
CALC INTERSECT

When in doubt,
QUIT and
go HOME.

Calculator ID #:
Choose 2nd MEM,
#1 About
ID****-****-****

To Graph Lines (functions):
1. Enter equation in Y=.
2. Use ZOOM #6 (will give standard 10 x 10 window).
3. Use GRAPH to display graph.
4. Use WINDOW (to create your own screen settings).
5. Use TRACE to move spider on graph – arrow up/down between graphs

To Find Intersection Pts:
1. Graph both equations.
2. Use CALC menu (2nd TRACE) Choose #5 Intersect
3. Move spider near point for both
4. Simply press <ENTER> 3 times to reveal the answer.
 * If you are looking for more than one intersection point, you must repeat this process.

To Plot Histograms and Box-Whisker Plots:
1. Place data in Lists: STAT → EDIT
2. Set up plot information: STAT PLOT #1 <ENTER>
    Highlight ON, choose symbol for histogram, XList: L_1
        OR choose symbol for box-whisker, Freq: 1
3. Graph: ZOOM #9 - TRACE to see values on graph
4. Xscl under WINDOW controls width of bars on histogram. An integer value is easiest to read.

To Get Statistical Information:
1. Place data in Lists: STAT → EDIT
2. Engage 1-Variable Statistics: STAT → CALC   #1 1-VAR STATS
3. On Home Screen indicate list containing the data: 1-VAR STATS L_1

$\overline{X}$ = mean

Sx = the sample standard deviation

σ_x = the population standard deviation

n = the sample size (# of pieces of data)

Q_1 = data at the first quartile

med = data at the median (second quartile)

Q_3 = data at the third quartile

To Get Scatter Plots and Regressions (Linear, Quadratic, Exponential, Power, etc):
1. Place data in Lists: STAT → EDIT
2. Graph scatter plot: STAT PLOT #1 <ENTER> Choose ON.
    Choose the symbol for scatter plot, choose L_1 , L_2, choose mark
3. To graph, choose: ZOOM #9
4. To get regression equation: STAT → CALC #4 Lin Reg($ax+b$)
        (or whichever regression is needed)
5. On screen: Xlist: L_1 Ylist: L_2 Store RegEQ: Y_1
        (or LinReg($ax+b$) L_1 , L_2 , Y_1)
6. to see graph - GRAPH

Diagnostics ON: must be ON to see correlation coefficient, *r*.
1. MODE – StatDiagnostics: ON
or 2. CATALOG, ALPHA D, DiagnosticOn, ENTER, ENTER

To get Y_1 on the calculator screen: ALPHA F4
or VARS → Y-VARS FUNCTION Y_1

Been Playing Games?
Run DEFAULTS to reset calculator. 2nd MEM, #7 Reset, #2 Defaults, #2 Reset

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