

## Graphical Analysis 4 on your phone!

<https://www.vernier.com/product/graphical-analysis-4/>

Get “Graphical Analysis 4” in

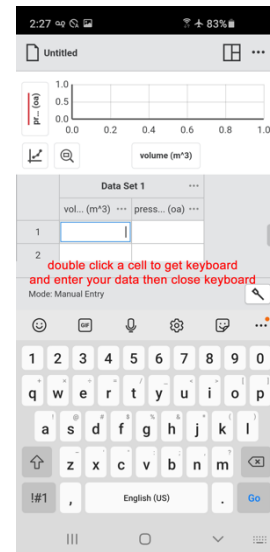
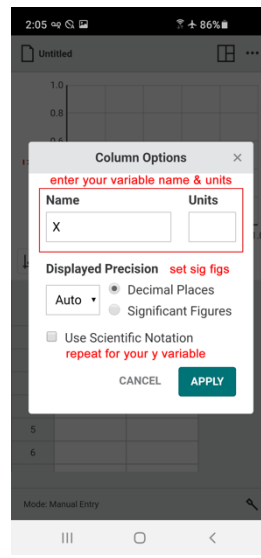
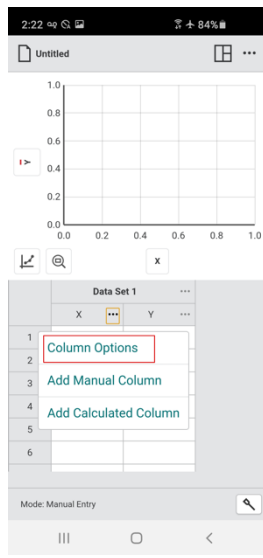
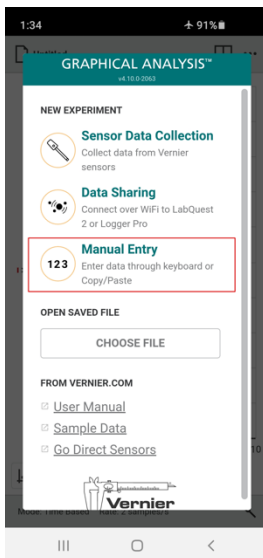


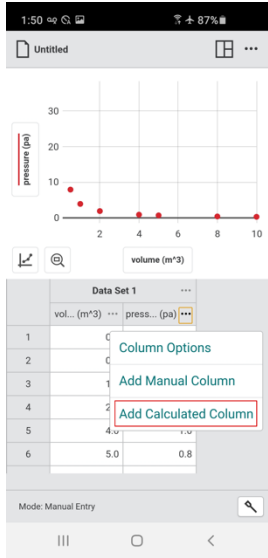
Data set 1

V (m <sup>3</sup> )	P (pa)
.1	40
.5	8
1	4
2	2
4	1
5	.8
8	.5
10	.4

My screen shots were taken with an android phone. I'm sure hoping it is the same for an iPhone! You are following the same process we learned for graphing data, linearizing it and coming up with the mathematical model or equation best representing your data that we learned for Logger Pro. This is by Vernier, which is the same company.

In the top right corner, if you click the three dots, it will lead you to a “User Manual.” Here are the annotated screenshots graphing the data to the right. The red boxes show you where to click next.





2:35 81%

Untitled

Add Calculated Column

type in name and units

Name: 1/volume Units: 1/m<sup>3</sup>

Displayed Precision: set sig figs

1 (Decimal Places)

Use Scientific Notation

Expression: click this

INSERT EXPRESSION

CANCEL APPLY

Mode: Manual Entry

1:52 87%

Untitled

A, B, and C are parameters you can set. X, Y, and Z are existing columns in your data table.

A\*X\*B (A=1, B=2 to square your data)

A/X (A=1 to take the inverse of your data)

A ln(X)

A log(X)

A\*X+B

A/X\*B

X+A

X\*Y

X-Y

Use your Graphical Methods Summary Sheet to determine how to linearize your data.

Mode: Manual Entry

2:59 80%

Untitled

Add Calculated Column

Name: 1/volume Units: 1/m<sup>3</sup>

Displayed Precision: 1 (Decimal Places)

Use Scientific Notation

Expression: choose your column

Parameter A: 1 Column X: volume

set parameters

CANCEL APPLY

Mode: Manual Entry

