

Graphing Calculator Math Project Ti-89

Use the instruction manual, textbook and/or internet to summarize at least the following calculator skills. You can present your project in any medium, Poster, Journal, PowerPoint, etc.

- Explain the function of each of the keys below by describing what the key is for and how you use it.
- You should demonstrate that you can perform the following:
 - Graph a linear function such as $y=4x-3$
 - Graphing a higher degree function such as $y=2x^3 - 3x^2 + x - 5$
 - Finding the roots (zeros) of the function above
 - Find the intersection of two functions
 - Enter matrices, add them, multiply them and calculate the determinate
 - Use the equation solver
 - Use the quadratic equation
 - Graphing inequalities
 - Enter data into lists ----->
 - Create a scatter plot
 - Calculating and Graphing a line of regression

X	Y
0	3
1	5
2	8
3	10
4	13

2nd and **ALPHA**

TI-89 menus

CLEAR and **2nd**[QUIT]

(←) and **(→)**

Using parentheses

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[π]

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[EE]

DEL

[INS]

[ANS]

ENTER

GRAPHa function with **Y=**

WINDOW

ZOOM

[TABLE]

[TBLSET]

TRACE

[CALC]

[STAT PLOT]

MATRIX

SIN**COS****TAN**

[SIN⁻¹][COS⁻¹][TAN⁻¹]

[CATALOG]