Graphing Calculator Math Project Ti-84

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-84 menus

[CLEAR]and [2nd][QUIT]

[(-)]and [−]

Using parentheses

[x^2]

[^]

[x^{-1}]

[π]

[√]

[EE]

[DEL]

[INS]

[ANS]

ENTER

MODE

GRAPH a function with Y=

X,T,Θ,n

WINDOW

ZOOM

[FORMAT]

[TABLE]

STAT

[TBLSET]

TRACE

[CALC]

[STAT PLOT]

MATH

MATRX

SIN COS TAN

[SIN^{-1}][COS^{-1}][TAN^{-1}]

[CATALOG]