

Plotting Graphs with Python

Task 1

Run and document the effect these settings have on pyplot's graph presentation

- `plt.xlim(0,50)`
- `plt.ylim(0,50)`
- `plt.grid()`

Task 2

Create a graph that shows the big dipper constellation. Use the options to make the points of this graph 'stars' and the line colour a light gray.

Task 3

Plot 20 X,Y values of the functions

- 1) $f(x) = 5x^3 + 2x - 1$
- 2) $f(x) = -2x^3 - x^2 + 100$
- 3) $f(x) = 2\pi x + 20$

Task 4

Create a graph that has all of the lines from Task 3 on the same graph.