

Tutorial 02

- a) Find out Maxima, Minima or saddle point for following single variable function

$$f(x) = x^3 + 3x^2 - 6x$$

Validate it using Graph Plotter(online Graphing tool). Place snapshot of that also with your submission.

- b) Find out Maxima, Minima or saddle point for following multiple variable function.

$$f(x_1, x_2, x_3) = x_1^4 + x_1^2 - 2x_1^2x_2 + 2x_2^2 - 2x_1x_2 + 4.5x_1 - 4x_2 + 4$$