# FALL SEM 2019-20 MATLAB-MAT1011(CFE)-ELA

**DIGITAL ASSIGNMENT-3 SLOT: L31+L32**

**REGISTRATION NUMBER:19BCE0811 NAME: Akshat Srivastav**

EXERCISE 1:

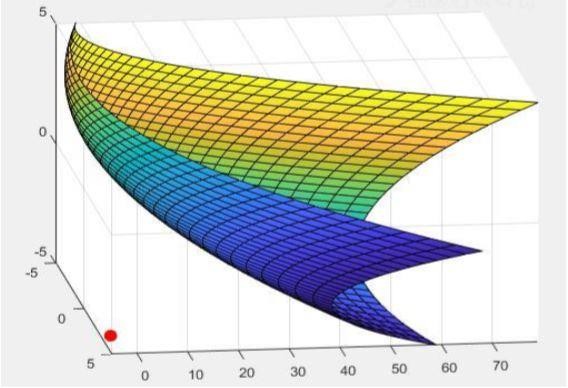
Sketch the graphs of the following functions. Also, determine and plot the points of their local maximum, local minimum or saddle points.

Code for the problem:

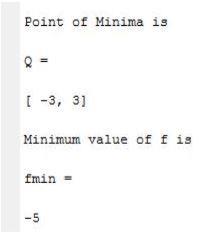


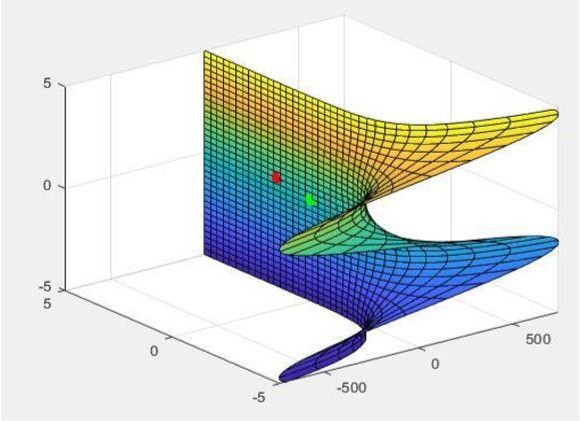
Reg number: 19BCE0811

Name: Akshat Srivastav

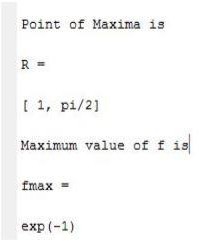


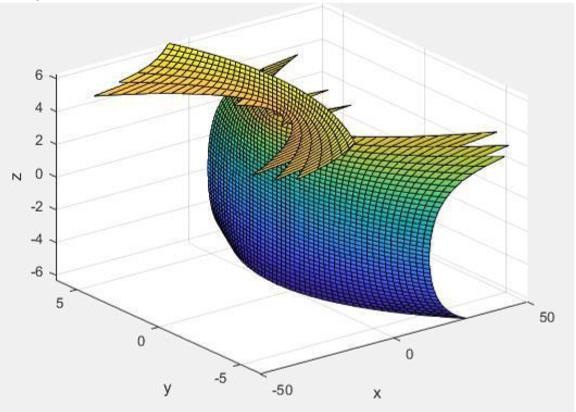
OUTPUT:



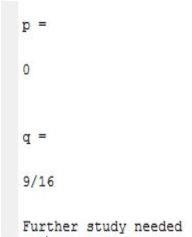


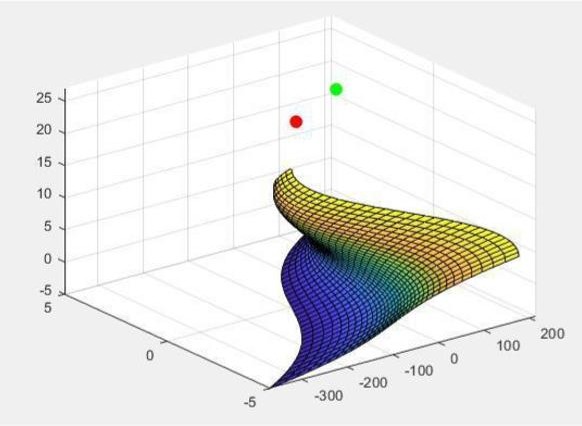
OUTPUT:



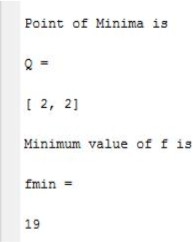


OUTPUT:

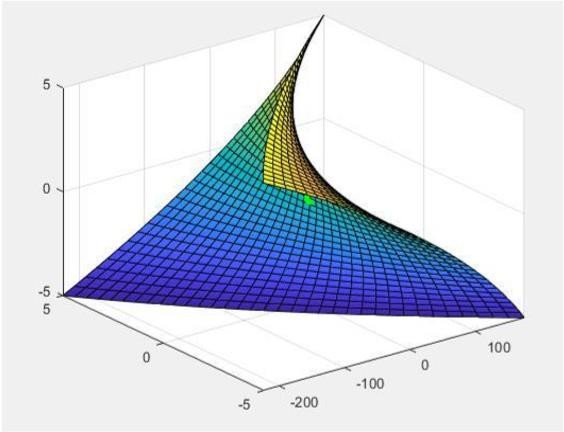




OUTPUT:



e)f(x,y)= s^2-2\*y^2+8\*x\*y



OUTPUT:

