

AAKASH DESHMANE

133008022 MEEN 602 HOMEWORK 4 Q8) (B) & (C) PART

```
syms x y
close all

f1= x^2+y^2/9;
figure(1)
ezsurf(f1)
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix A for Q8.b")

figure(2)
ezplot(f1-1)
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix A for Q8.c")

f2= 4*x^2-y^2;
figure(3)
ezsurf(f2)
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix B for Q8.b")

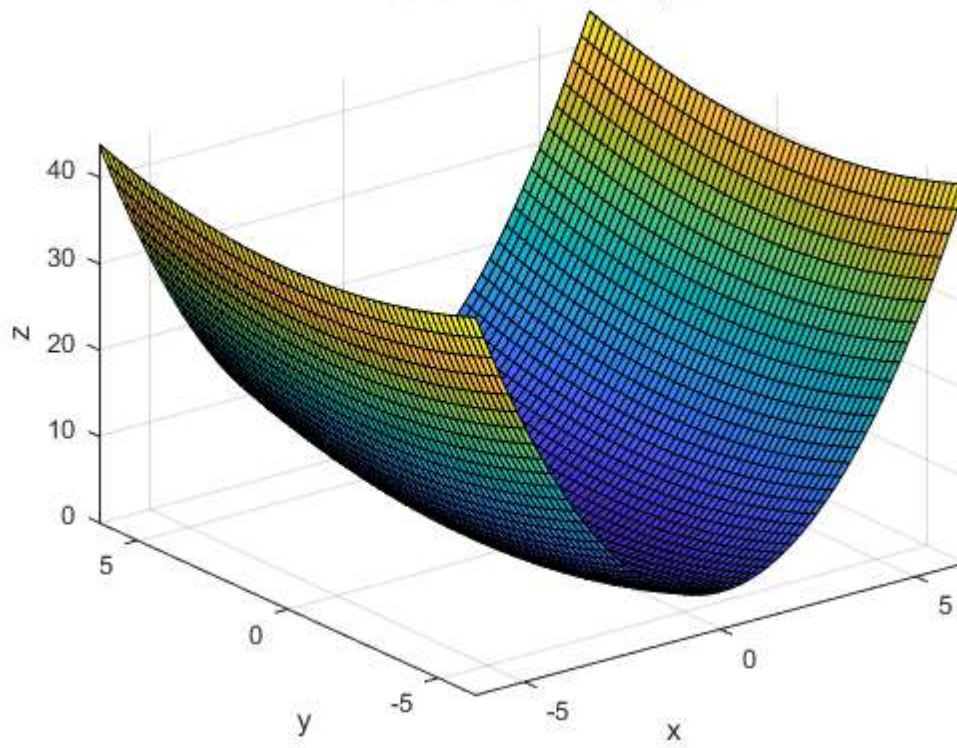
figure(4)
ezplot('4*x^2+y^2*(-1)-1')
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix B for Q8.c")

figure(5)
f3= x^2+y^2+2*x*y;
ezsurf(f3)
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix C for Q8.b")

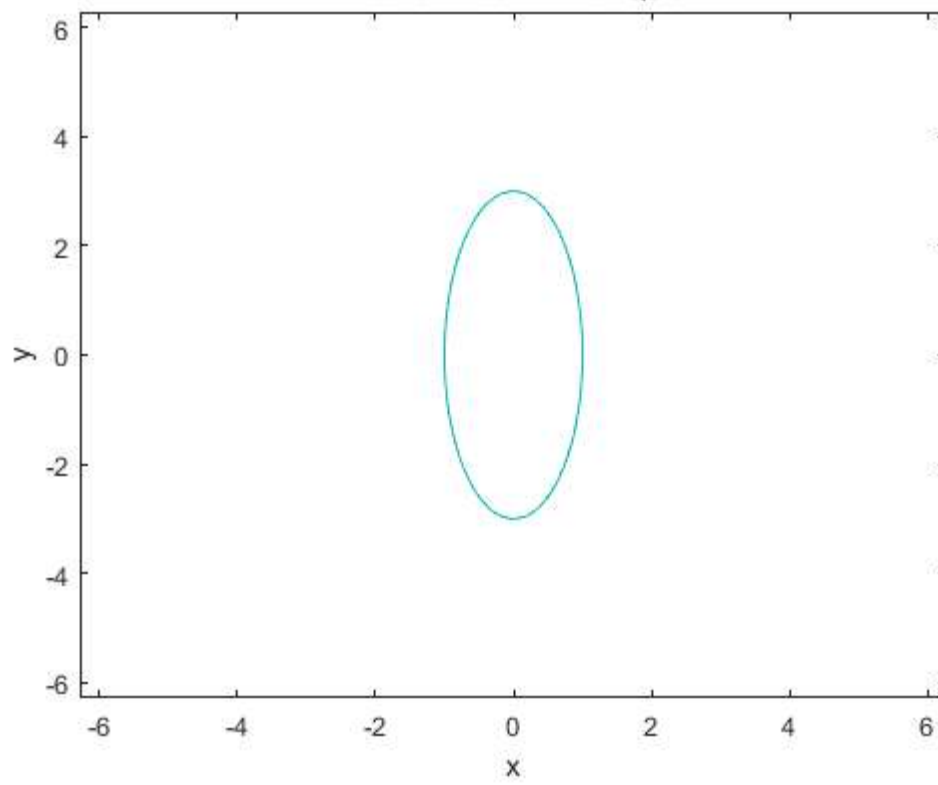
figure(6)
ezplot(f3-1)
xlabel('x')
ylabel('y')
zlabel('z')
title("Plot for matrix C for Q8.c")
```

%

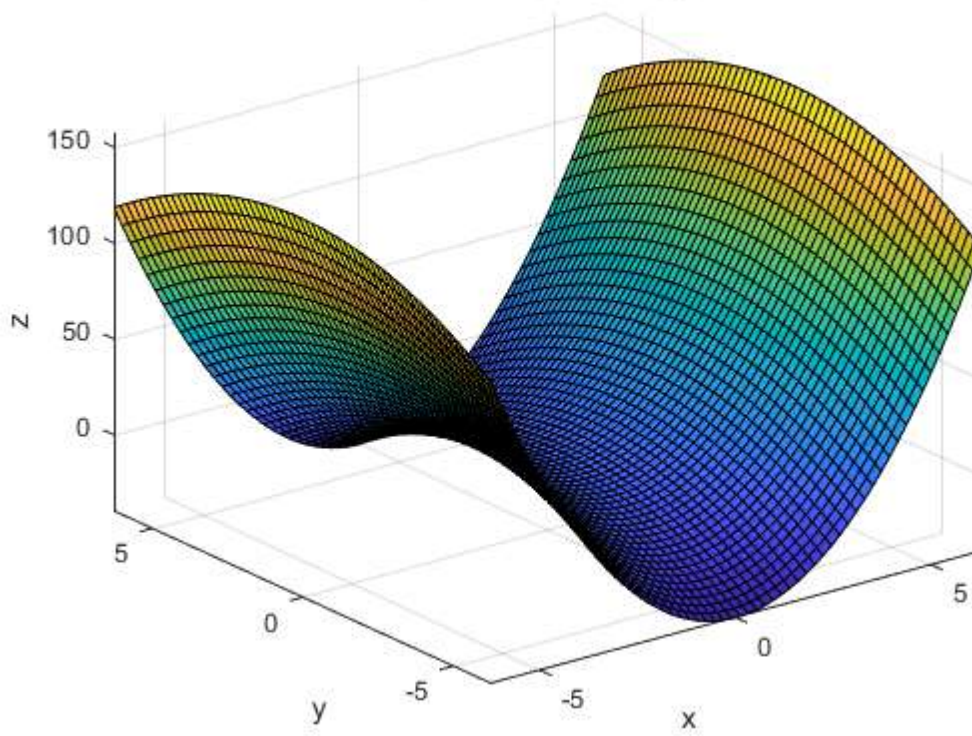
Plot for matrix A for Q8.b



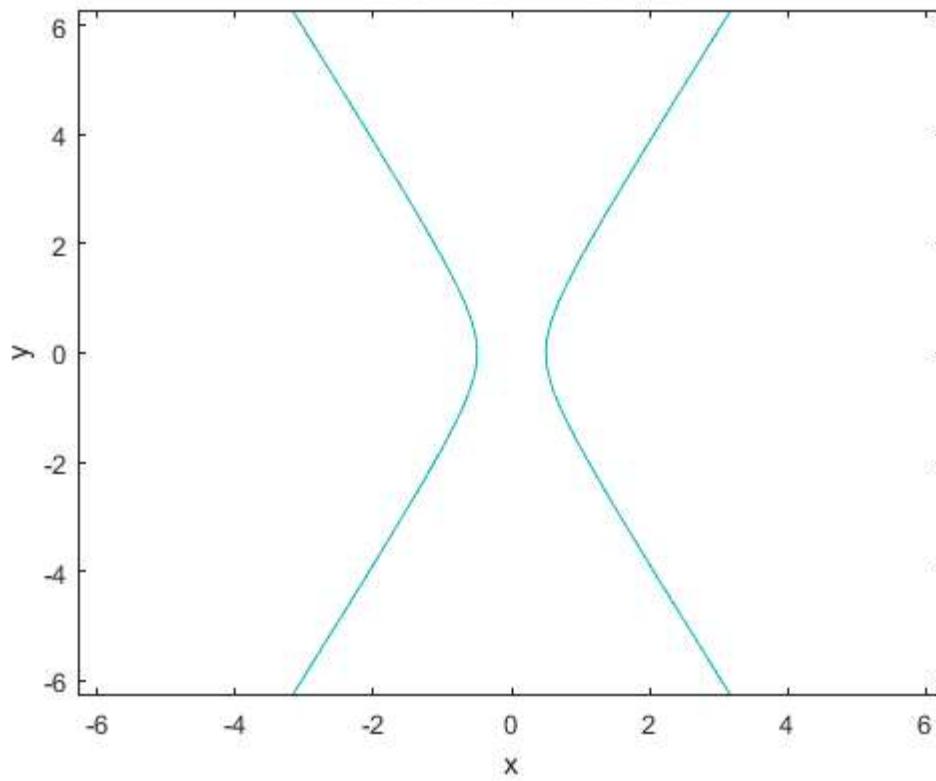
Plot for matrix A for Q8.c



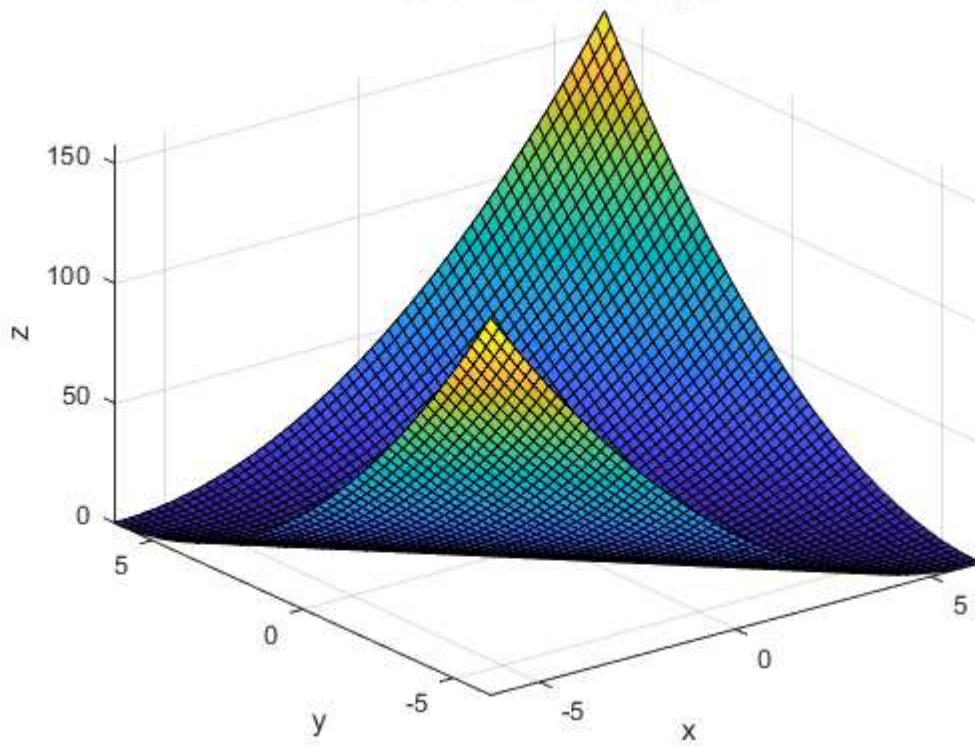
Plot for matrix B for Q8.b



Plot for matrix B for Q8.c



Plot for matrix C for Q8.b



Plot for matrix C for Q8.c

