**QUESTION 1A**

Commandwindow

clear

clc

close all

x=0:0.001:15

y=(0.5/3600)\*(6.25\*(x.^2)-2.5\*(x.^3)+(x.^4))

plot(x,y)

grid on

grid minor

xlabel ('x')

ylabel ('y')



**QUESTION 1B**

commandwindow

clear

clc

close all

t=0:0.001:1

n=2.89\*exp(4\*t)+2.19\*exp(-3\*t)-12\*(t.^3)+3\*(t.^2)-5.5\*t-0.0833

plot (t,n)

grid on

grid minor

xlabel ('t(hrs)')

ylabel ('n')

