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MATRIC NUMBER: 16/ENG06/087

DEPARTMENT: MECHANICAL ENGINEERING

QUESTION 1A

commandwindow

clear

clc

close all

x = 0:0.001:15

y= (1/192)\*power(x,2)-(1/720)\*power(x,3)+(1/7200)\*power(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

y= (99/14)\*exp(4\*t) + (215/28)\*exp(-3\*t)-12\*power(t,3)-3\*power(t,2)-(23/4)\*t-(39/4)

plot(t,y)

grid on

grid minor

xlabel('t')

ylabel('y')

