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15/ENG01/020

CHEMICAL ENGINEERING

ENG 381

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')



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')

