commandwindow

clear

close

syms x

y = ((37.5/7200)\*(x\*x)) - ((10/7200)\*(x\*x\*x)) + ((1/7200)\*(x\*x\*x\*x));

xn = 0:0.001:15;

yn = subs (y,xn);

yn = double (yn);

plot (xn,yn)

grid on

grid minor

xlable (' ')

ylabel (' ')



commandwindow

clear

close

syms t

n1 = (3 \* exp(4\*t)) + (2 \* exp(-3\*t)) + (-12\*t\*t\*t) + (3\*t\*t) + (-6.5\*t);

tn = 0:0.001:1;

n1n = subs (n1,tn);

n1n = double (n1n);

plot (tn,n1n)

grid on

grid minor

xlable ('time(hr)');

ylabel ('amount(kgmol)');

