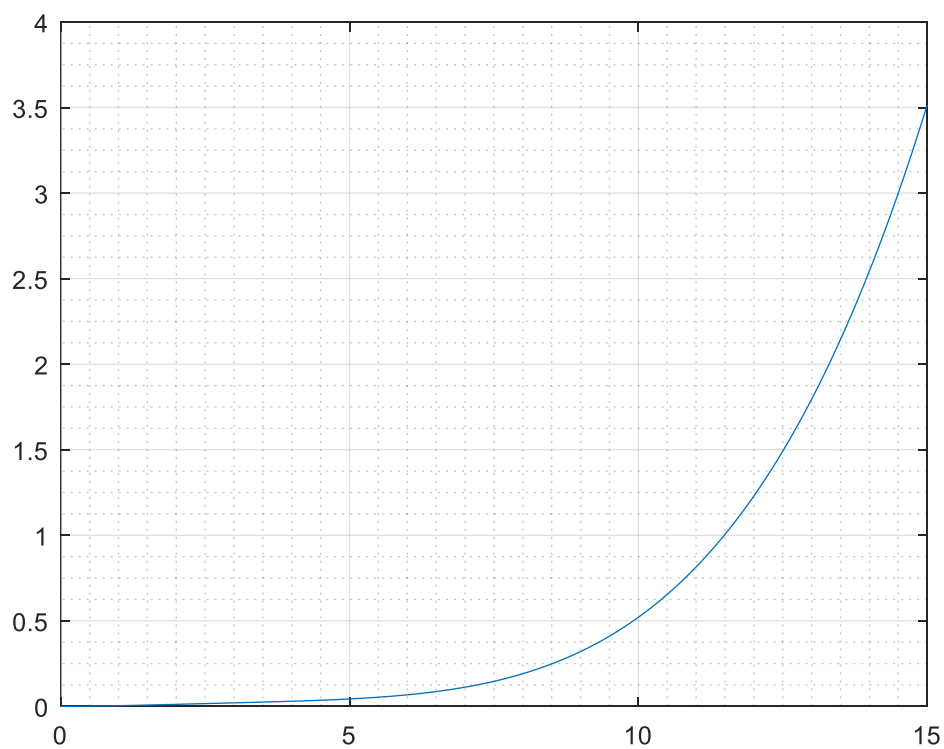
```
commandwindow
clear
close
clc
syms x
y = ((37.5/7200)*(x*x)) - ((10/7200)*(x*x*x)) + ((1/7200)*(x*x*x*x));
xn = 0:0.001:15;
yn = subs (y,xn);
yn = double (yn);
plot (xn,yn);
grid on
grid minor
xlable ('x')
ylabel ('y')
```




```
commandwindow
clear
close
clc
syms t
n1 = (3 * exp(4*t)) + (2 * exp(-3*t)) + (-12*t*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(hrs)');
ylabel ('amount(kgmol)');
```