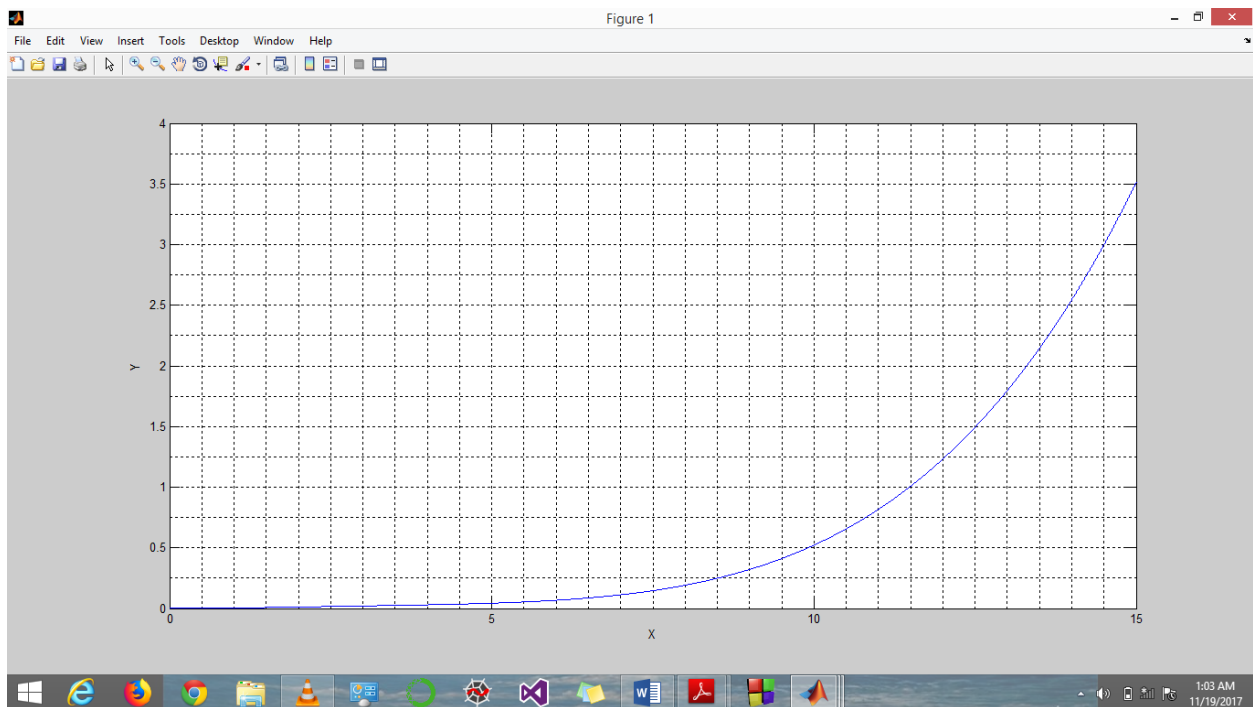


AYENI AYOBAMI OPEYEMI  
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1a.

```
commandwindow  
clear all  
clc  
close all  
syms x y ;  
x = 0:0.001:15 ;  
y=( (power(x,2)/192) - (power(x,3)/720) + (power(x,4)/7200) ) ;  
plot(x,y);  
grid on;  
grid minor;  
ylabel('Y');  
xlabel('X')
```



1b.

```
commandwindow
clear all
clc
close all
syms t n ;
t = 0:0.001:1 ;
n = (5.05*exp(t.*-3))+(2.04*exp(t.*4))+(12*power(t,3))-
(3*power(t,2))+(t.*6.5)-2.08;
plot(t,n);
grid on;
grid minor;
xlabel('t(hr)');
ylabel('Amount(kgmol)');
```

