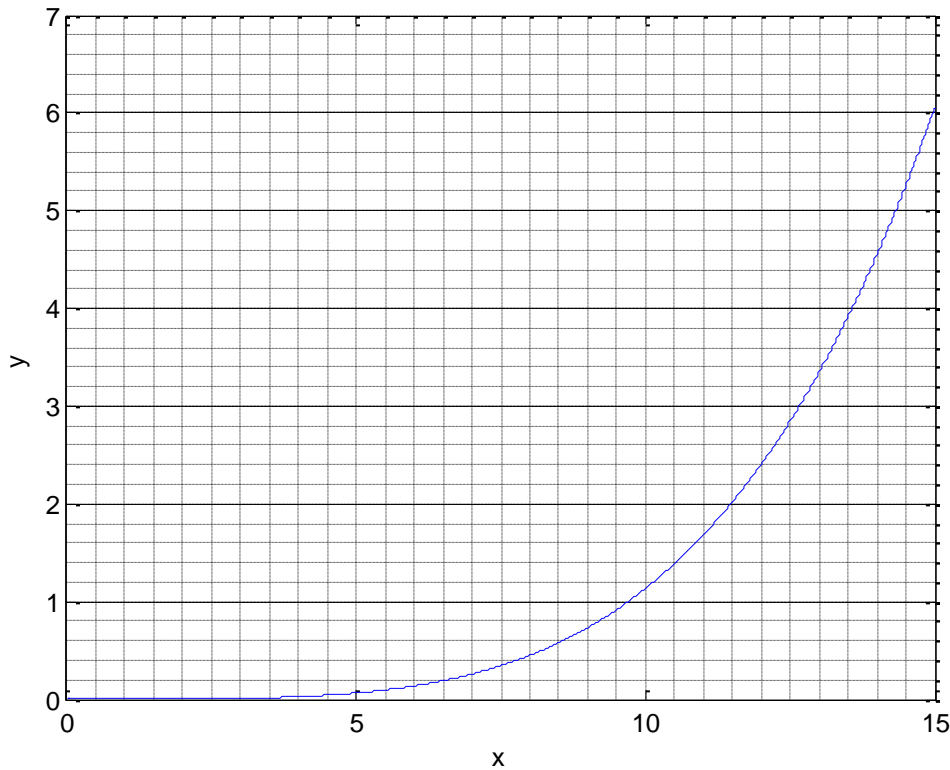


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ENG 381 MATLAB TEST ANSWERS

### QUESTION 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')
```



### QUESTION 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')
```

