

### Question 1

```
commandwindow
clear
clc
close all
x = 0:0.001:15
y = ((1/192)*(x.^2)) - ((1/720)*(x.^3)) + ((1/7200)*(x.^4))
plot(x,y)
grid on
grid minor
xlabel('x')
ylabel('y')
legend('y against x')
```

### Question 2

```
commandwindow
clc
clear
close all
t = 0 : 0.001: 1
n = ((29/14)*exp(4*t)) + ((41/14)*exp(-3*t)) - (12*(t.^3)) + (3*(t.^2)) - ((13/2)*t)
plot(t,n)
grid on
grid minor
xlabel('t')
ylabel('amount')
```