

```
1 - commandwindow
2 - clear
3 - x = [0:0.001:15]
4 - w = 0.5
5 - E = 30
6 - I = 5
7 - L = 2.5
8 - y = (w*L.^2*x.^2/(4*E*I) - L*x.^3/(6*E*I) + 1*x.^4/(24*E*I))
9 - plot(y,x)
10 - grid on
11 - grid minor
12 - ylabel ('y'), xlabel ('x')
```

```
1 - commandwindow
2 - clear
3 - t = [0:0.001:1]
4 - n = (2*exp(-3*t) + 3*exp(1*t) - 12*t.^3 + 3*t.^2 - 6.5*t)
5 - plot(n,t)
6 - grid on
7 - grid minor
8 - ylabel('Amount (kgmol)'),
9 - xlabel('time (hr)')
```