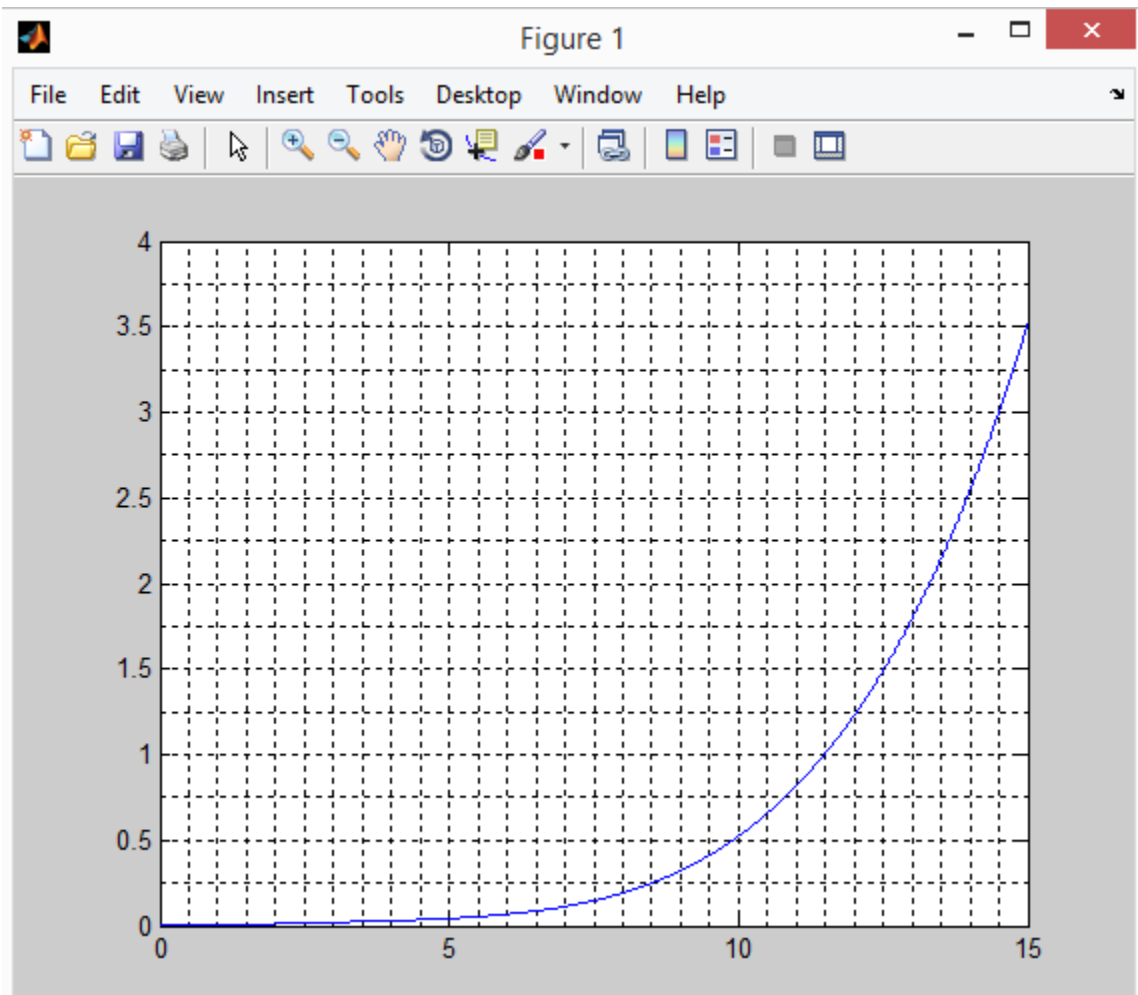


NAME: ALA-BINTE TARILATE EDWIN
MAT NO: 15/ENG07/005
PETROLEUM ENGINEERING
QUESTION 1A SOLUTION

1. commandwindow
2. clear
3. close
4. syms x
5. $y = ((37.5/7200)*(x^2)) - ((10/7200)*(x^3)) + ((1/7200)*(x^4));$
6. $xn = 0:0.001:15;$
7. $yn = \text{subs}(y,xn);$
8. $yn = \text{double}(yn);$
9. $\text{plot}(xn,yn)$
10. grid on
11. grid minor
12. xlabel('')
13. ylabel('')



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PETROLEUM ENGINEERING

1. commandwindow
2. clear
3. close
4. syms t
5. $n1 = (3 * \exp(4*t)) + (2 * \exp(-3*t)) + (-12*t^3) + (3*t^2) + (-6.5*t);$
6. $tn = 0:0.001:1;$
7. $n1n = \text{subs}(n1,tn);$
8. $n1n = \text{double}(n1n);$
9. $\text{plot}(tn,n1n)$
10. grid on
11. grid minor
12. $\text{xlabel}('time(hr)');$
13. $\text{ylabel}('amount(kgmol)');$

