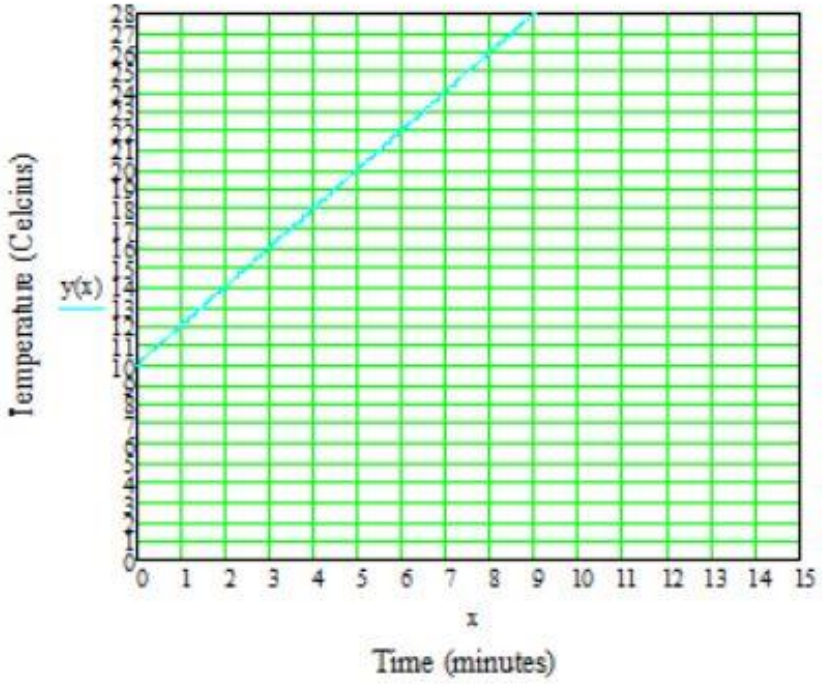
OBI-OBUOHA ABIAMAMELA

18/1NG05/040

MECHATRONICS ENGINEERING

MATHS QUIZ

$y(x) := 2x + 10$



when t = 0
y = m(t) + c
y = 10
m = 2
c = 10

equation;
2t + 10

y = 24.9,
t = (24.9 - 10) / 2
t = 7 minutes 27 seconds

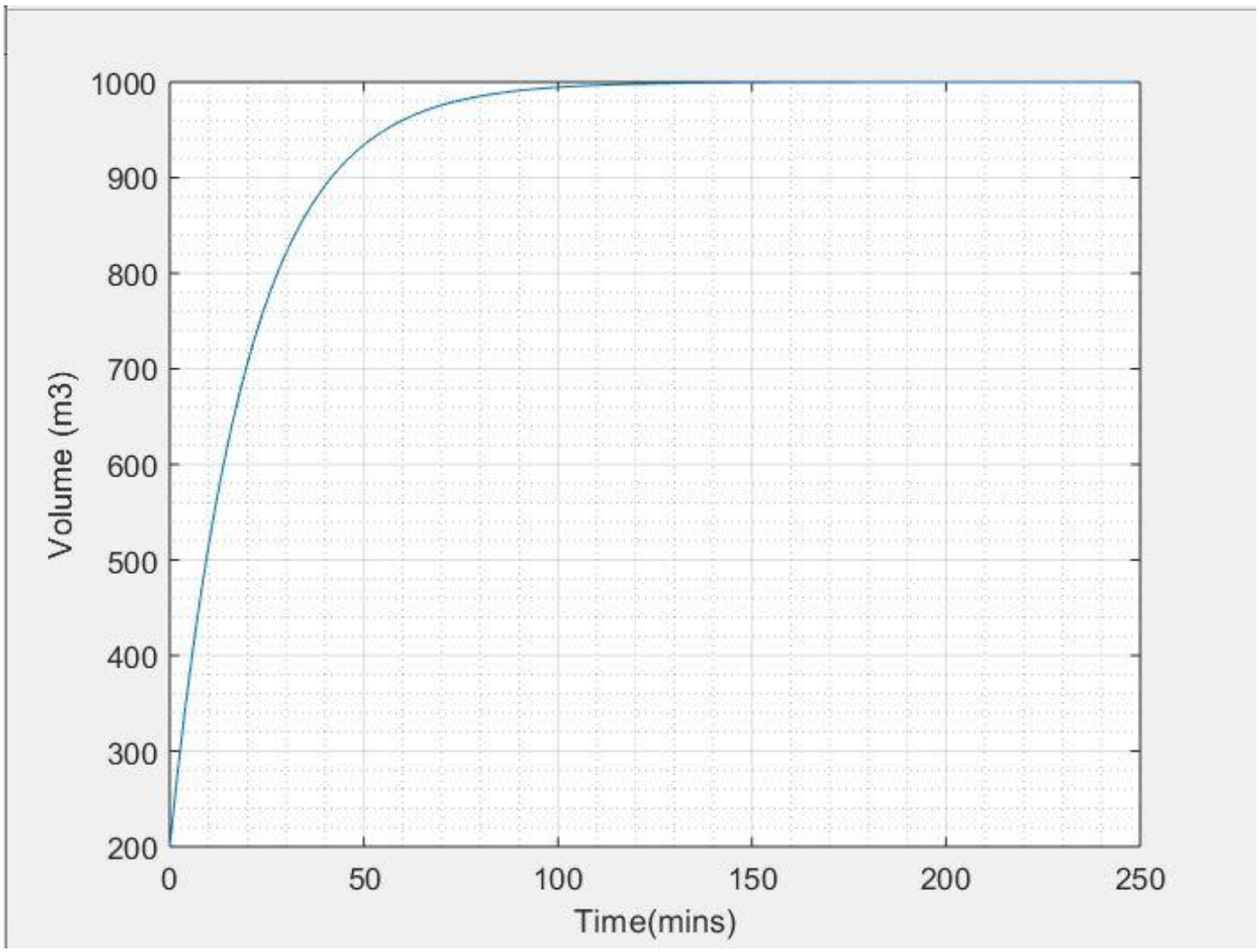
$t := 0, 0.1 .. 15$

t =	T(t) =
0	10
0.1	10.2
0.2	10.4
0.3	10.6
0.4	10.8
0.5	11
0.6	11.2
0.7	11.4
0.8	11.6
0.9	11.8
1	12
1.1	12.2
1.2	12.4

```
commandwindow
clearvars
clc
close all

format shortg
mela = xlsread('onlinequizdata.xlsx', 'fluiddata')
x = mela(1:2:250,1)
y = mela(1:2:250,2)
plot(x,y)
xlabel('Time(mins)')
ylabel('Volume (m3)')
grid on
grid minor

```


1000
900
800
700
600
500
400
300
200
Volume (m3)
0
50
100
150
200
250
Time(mins)