

MIKE - OSARO NATHAN

18 | ENGO7 | 009

Petroleum Engineering

GST 282 (Mathematics Assignment) II

1) $T_1 = 10^\circ\text{C}$

$T_2 = 20^\circ\text{C}$

Time taken = 5 minutes = 300 seconds

$\Delta t = 20 - 10 = 10^\circ\text{C}$

$T = 24.9^\circ\text{C}$ $\Delta T_c = 24.9 - 10$

$= 14.9^\circ\text{C}$

If $10^\circ\text{C} : 300\text{secs}$

$14.9^\circ\text{C} : x$

$\therefore x = 300 \times 14.9 = 447\text{secs}$

10

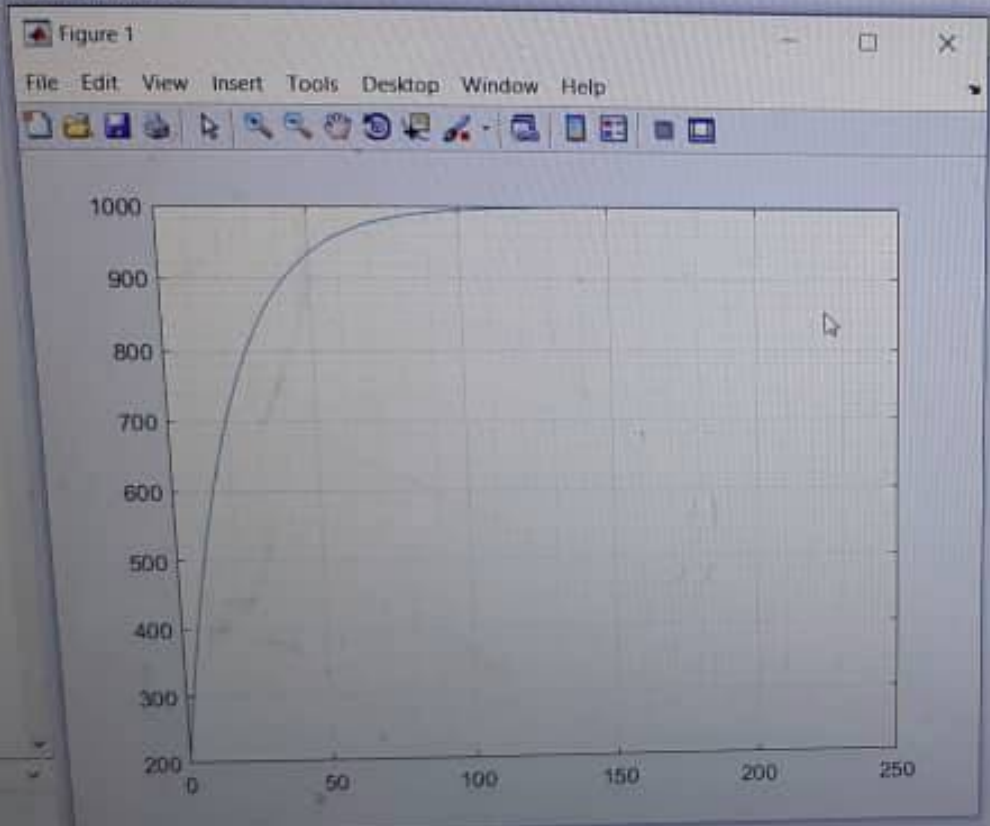
$x = 447\text{secs}$

$x = 7\text{ mins } 27\text{ secs} \approx 7.45\text{ mins}$

Go To Comment Breakpoints Run Run and Advance Advance Run and Time
Find Indent Run Run and Advance Advance Run and Time
NAVIGATE EDIT BREAKPOINTS RUN

Program Files > MATLAB > R2018a > bin > win64 >

Command Window



999.9956
999.9960
999.9964
999.9967

fx >>

Editor - C:\Users\Dell\Desktop\matlab and mathcad\assignment.m

```
assignment.m  
1 - commandwindow  
2 - clear  
3 - clc  
4 - close all  
5 - data=xlread('onlinequizdata.xlsx','fluiddata')  
6 - x=data(1:2:250,1)  
7 - y=data(1:2:250,2)  
8 - plot(x,y)  
9 - grid on  
10 - grid minor
```

Workspace

Name	Value
data	25x2 double
x	125x1 double
y	125x1 double