ENAYORU PROSPER SEROMU
19/ENG01/018
CHEMICAL ENGINEERING

1) T_1 of thermometer = 10°C
T_2 of thermometer = 20°C
= 300secs

$\Delta T = 20 - 10 = 10°C$
Find T = 24.9°C
$\Delta T_c = 24.9 - 10$
$= 14.9°C$
$10x = 300 \times 14.9$
$10x = 4470$
$x = \frac{4470}{10}$
$\therefore x = 447$ Secs
$x = 7$mins. 27secs.

```
commandwindow
clear
clc
close all
format short g
mdata=xlsread('onlinequizdata','fluiddata')
x=mdata(1:2:250,1)
y=mdata(1:2:250,2)
plot(x,y)
grid on
grid minor
```

```
ommand Window
  86
  88
  90
  92
  94
  96
  98
 100
 102
```

script Ln 11 Col 11