

JNYANG BASSEY EYO

18/ENG05/022

MECHATRONICS

ENG 282

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

$$T = 24.9^{\circ}\text{C}$$

$$\Delta T_c = 24.9 - 10 = 14.9^{\circ}\text{C}$$

10°C to 300 seconds

14.9°C to y

10g to 300×14.9

$$10g = 4470$$

$$y = 447$$

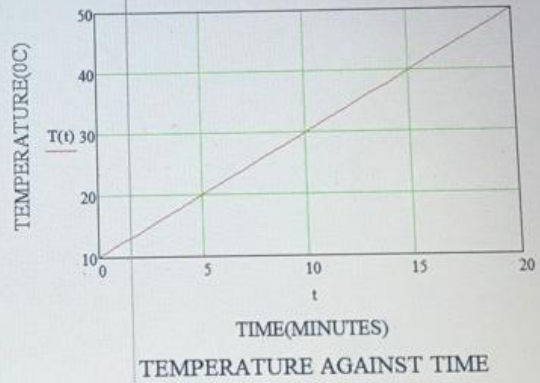
y = 7 minutes 27 seconds

t = 0..20

$$T(t) = 2t + 10$$

T(t) =

10
12
14
16
18
20
22
24
26
28
30
32
34
36
38
...



+


```
yimaquiz2.m x +  
- 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|
```

I

Command Window
86
88
90
92
94
96
98
100
fx 102

