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Matric No: 12/ENG02/096
Computer Engineering
ENG 282

Q.1

$$T_1 \text{ of thermometer} = 10^\circ\text{C}$$

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

$$\text{Time taken} = 5 \text{ minutes} = 300 \text{ seconds}$$

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

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

$$10^\circ\text{C to } 300 \text{ secs}$$

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

$$10x \text{ to } 300 \times 14.9$$

$$10x = 4470$$

$$x = 4470$$

$$\underline{10}$$

$$x = 447$$

$$x = 447 \text{ seconds}$$

$$x = 7 \text{ minutes } 27 \text{ seconds}$$

Number 2!

- Command window
- clear
- clc
- close all
- format short g
- mdata => clc read('onlineeqmiz\data', 'fluiddata')
- x = mdata(1:2:250, 1)
- y = mdata(1:2:250, 2)
- plot(x, y)
- grid on
- grid minor


```
- 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
102
```

script

Ln 11 Col 11

