

18/ENG04/062

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

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

$$t = 5 \text{ minutes} = 300 \text{ sec}$$

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

$$T = 24.5^\circ\text{C}$$

$$\Delta T = 24.5^\circ\text{C} - 10^\circ\text{C}$$

$$= 14.5^\circ\text{C}$$

$$10^\circ\text{C} - 300 \text{ sec}$$

$$14.5^\circ\text{C} - x$$

$$10x = 4470$$

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

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

ATLAB

Editor - C:\Users\yimat\Documents\MATLAB\yimaquiz2.m

```
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
```

script

