

```
Editor - C:\Users\yimat\Documents\MATLAB\yimaquiz2.m  
yimaquiz2.m x +  
- commandwindow  
- clear  
- clc  
- close all  
- format short g  
- mdata=xlsread('onlinequizdata','fluiddata')  
- xdata(1:2:250,1)  
- ydata(1:2:250,2)  
- plot(x,y)  
- grid on  
- grid minor
```

I

Command Window  
86  
88  
90  
92  
94  
96  
98  
100  
102

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mechanical engineering

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

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

Time taken = 9 minutes = 700 sec

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

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

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

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

$10x + 300 = 14.9x$

$10x = 14.9x - 300$

$x = 447$

$x = 447$  sec

$x = 7$  minutes, 27 seconds