

LAWAL MUHAMMAD ABDULAZEEZ  
CIVIL ENGINEERING  
18/EMG03/036

```
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
```

Command Window

86  
88  
90  
92  
94  
96  
98  
100  
102

Mathcad Professional - [Untitled:1]

File Edit View Insert Format Math Symbolics Window Help

Normal Arial 10 B I U

203	1045.622
204	999.9703
205	962.5722
206	999.9731
207	985.448
208	999.9757
209	1049.466
210	999.978
211	973.3154
212	999.9801
213	972.6833
214	999.982
215	1049.366
216	999.9837
217	986.1808
218	999.9852
219	962.0913
220	999.9866
221	1045.33
222	999.9879
223	1000.144
224	999.9891
225	954.5168
226	999.9901
227	1037.681
228	999.991
229	1014.094
230	999.9919
231	950.5636
232	999.9927
233	1027.029
234	999.9934
235	1026.92
236	999.994
237	950.5472
238	999.9946
239	1014.223
240	999.9951

Chart Title

Activate Windows  
Go to Settings to activate Windows.

ENG 9:43 AM  
INTL 27/04/2020

LAWAL MUHAMMAD ABDULAZEEZ

CIVIL ENGINEERING

18/EMG03/036

LAWAL MUHAMMAD ABDULAZEEZ  
CIVIL ENGINEERING  
18/EMG03/036

ENERGY

①

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

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

time = 5m = 300s

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

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

10°C to 300s

14.9°C to  $x$

$$x = \frac{14.9 \times 300}{10}$$

$$x = 447.5$$