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Semester: 7th Sem

Question 2

Question 1

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

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

Time taken = 5 min

= 300 sec

$10^\circ\text{C}$  at 0 sec

$20^\circ\text{C}$  at 300 sec

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

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

$= 14.9^\circ\text{C}$

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

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

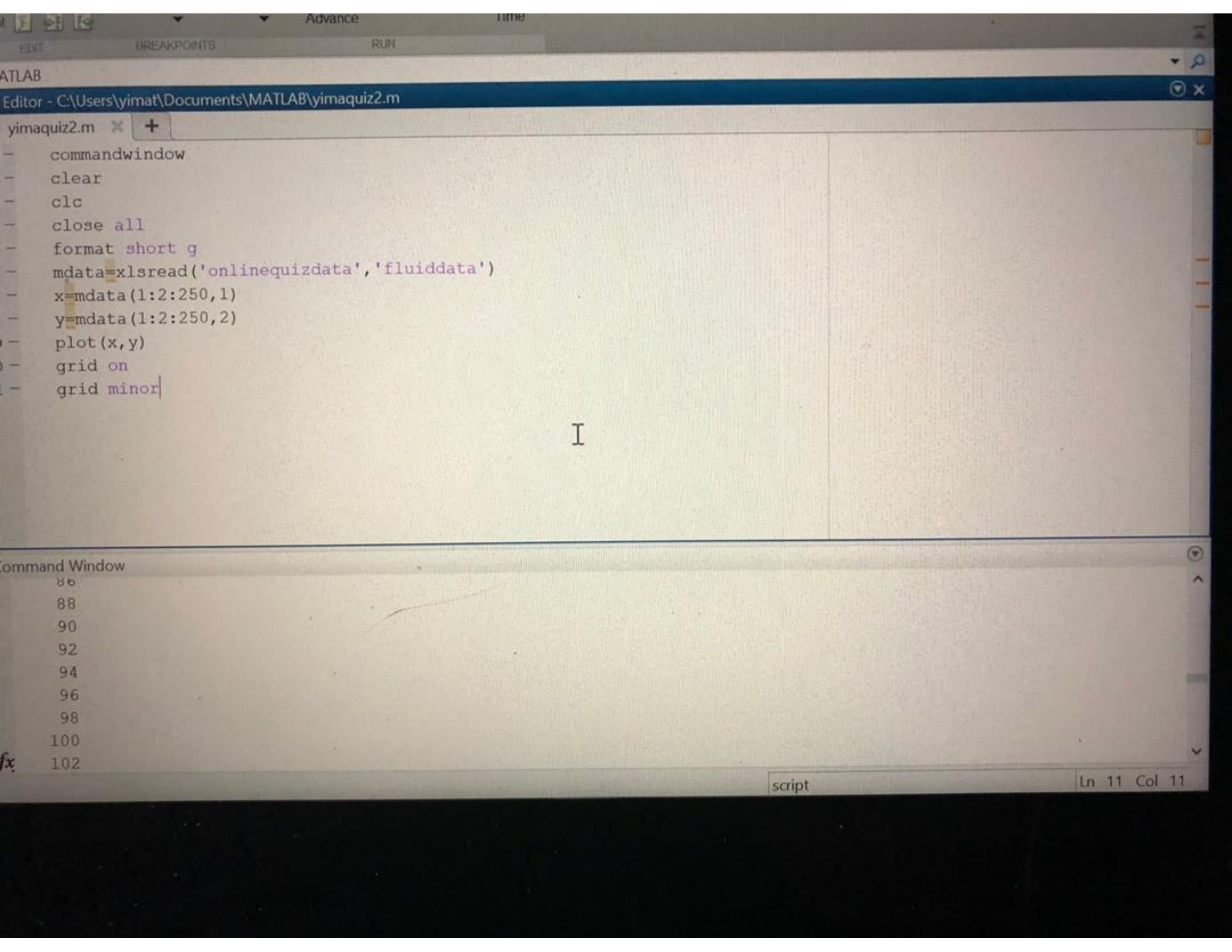
$10x$  to  $300 \times 14.9$

$10x = 4470$

$10x = 447$

$x = 447 \text{ sec}$

$x = 7 \text{ min } 27 \text{ sec}$



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  
102

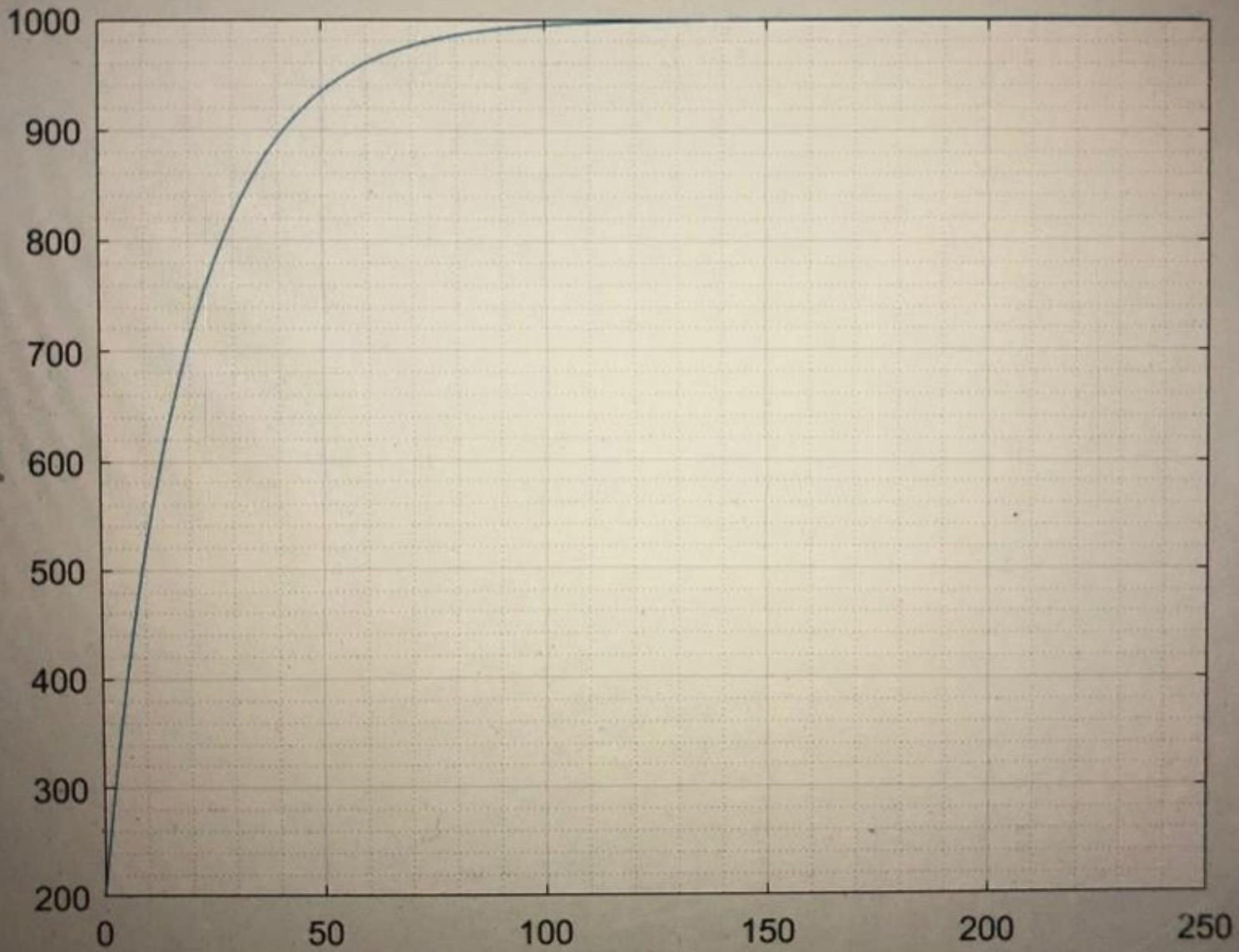
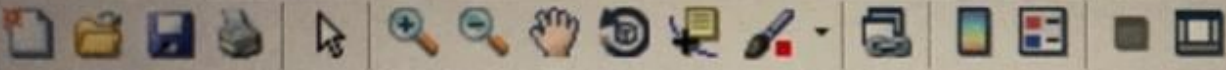
script

Ln 11 Col 11



EDITOR Figure 1

File Edit View Insert Tools Desktop Window Help



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