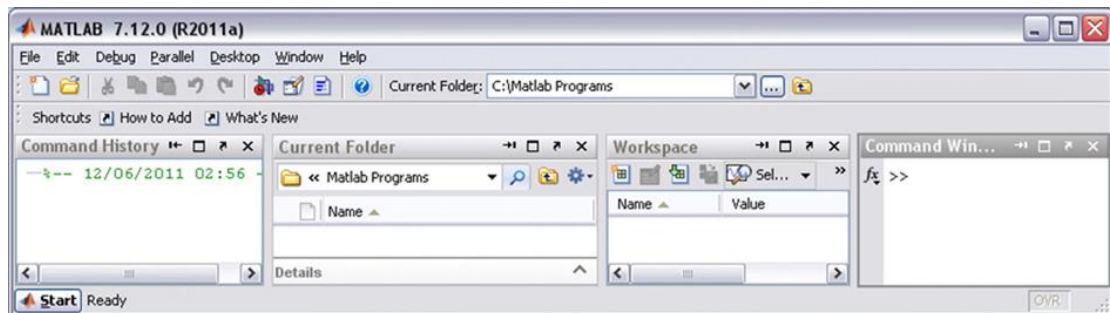




Sheet 1

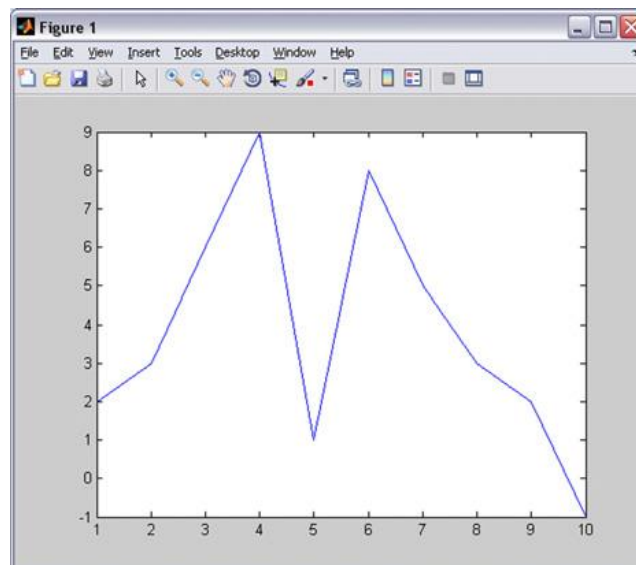
Exercise 1

Display the four windows and arrange them as shown. Remember, the four windows are the Command Window, the Command History, the Workspace, and the Current Folder.



Exercise 2

In the Workspace window a vector variable y with the values $[2,3,6,9,11,8,5,3,2,-1]$; change its content to give this figure.



Exercise 3

Create an array variable,

A= 1 2 4 5

B=1 2
4 5

By using x = [1 2], y = [4 5], z=[0 0]. What happen if type the following Matlab command C = [x y ;z].

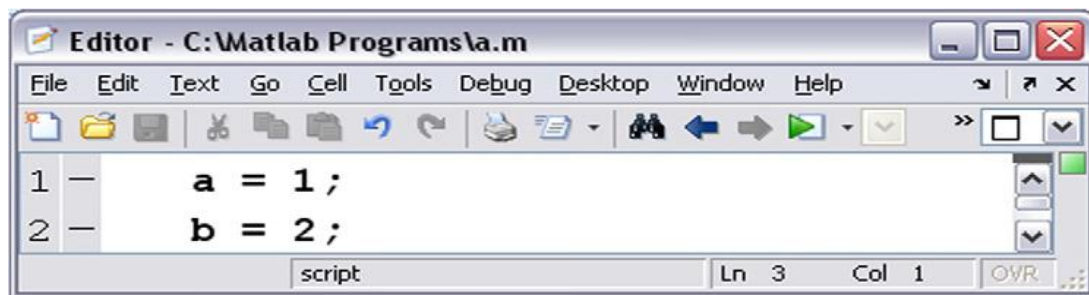
Exercise 4

Which of the following is a suitable file name that can be used to save a script file? Explain your answer.

1. det.m
2. cars.m
3. two jars.m
4. 2D.m
5. r\$.m
6. _long.m
7. _long.m
8. for.m

Exercise 5

Why would naming the following script file as a.m be incorrect?



Exercise 6

What happen if type the following Matlab commands and correct it?

- | | |
|-------------|-------------|
| a) | b) |
| >> x = 0.5; | >> X = 0.5; |
| >> ASIN(X) | >> ASIN(X) |

Exercise 7

Determine decibels (dB) of measurements of a voltage signal: meas =

25.5000	16.3000	18.0000
2.0000	6.9000	3.0000
0.0500	4.9000	1.1000

Exercise 8

Convert of a list of points from Cartesian to polar coordinates. The list is in the form of a matrix of (x, y) values.

points =

1	2
4	3
1	1
4	0
9	1