# Practical 2

*This document is a starting point for preparing your responses to Practical Two. Save it as as a new document and then replace the phrase, “>Enter response here” with your responses.*

**Name:**

**Date:**

Using Variables: What is the error in the MATLAB code? x^2 + 4x + 3. Evaluate when x=5 and x=7.

>Enter response here

What is valid?

>Enter response in the table

|  |  |  |  |
| --- | --- | --- | --- |
| **Command** | **Workspace Window** | **Valid?** | **Reason – if invalid** |
| x=1+4 |  | Yes / No |  |
| x=1+2+...+10 |  | Yes / No |  |
| x+1=7 |  | Yes / No |  |
| x=2(6) |  | Yes / No |  |
| bigX=x+1 |  | Yes / No |  |
| x=newX+1 |  | Yes / No |  |
| x=x+1 |  | Yes / No |  |

Naming Variables: What does each variable represent? Rewrite code with meaningful variable names.

>Enter response here

Functions: What code did you write to exaluate expression 1, 2 and 3 for the given x values?

>Enter response here

Comments in MATLAB:

t = 9 % sets time variable equal to 9

a = 15\*sqrt(t) % <add your comment here>

Plotting Graphs Exercise 1: Copy and paste your code and graph for plotME.m (Use Snipping time or screen capture). Describe the graph. Verify which points are x-cordinates or y-coordinates.

>Enter responses here

Plotting Graphs Exercise 2: Copy and paste your revised code and graph for plotME.m (Use Snipping time or screen capture).

>Enter responses here

Graph Commands Exercise: Copy and paste your revised code and annotated graph for plotME.m (Use Snipping time or screen capture).

>Enter responses here

Define the following terms:

Variable

>Enter responses here

Script M-file

>Enter responses here

Comment

>Enter responses here

Valid

>Enter responses here