# Practical 5

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

**Name:**

**Date:**

Creating a script M-file: Create script m-file – What happens when you run the m-file and then update for x = 4, 5, 6.

>Enter response here

Properties of Function M-Files Create function m-file code – What happens when you run the m-file for x = 3,4, 5, 6? How can you modify this to work with an array?

>Enter response here

Determining Inputs and Outputs: write the description, input and output for the function round(a).

>Enter response here

Random Number Generator: Create function m-file and verify it works. What happened when you called myRand(1,10) myRand(100,100+1) myRand(3,pi) myRand(20) myRand(20,1)? How do you think your function should hande the last 2 entries? How can it be edited?

>Enter response here

Rem.m: Which was the correct declaration?

>Enter response here

Writing Function Declarations: Write the function name, output and input variables for the 2 function m-files

>Enter responses here

Creating Function M-file (twoN.m): Create your m-file and paste it below. Run the 6 lines to verify your function m-file works. Share the outputs.

>Enter responses here

Creating Function M-file (quadRootd.m): Create your m-file and paste it below. Run the 3 polynomials to verify that your function m-file works. Comment.

>Enter responses here

Return Statements: Put indexOf.m (which contains a return statement) in the *Current directory*. What happens when you test it with the 5 commands? Disable the return and retest. How many times does the for- loop run?

>Enter responses here

Using Functions (myCubic.m) Create your m-file and paste it below. Verify using the 2 commands. Create script m-file cubicExercise.m as described and marked up using cell formatiing and publish it. Copy and paste below.

>Enter responses here

Define the following terms:

Input

>Enter responses here

Function call

>Enter responses here

Function declaration

>Enter responses here

Function m-file

>Enter responses here

Return statement

>Enter responses here