Sample Problem 5

The purpose of these practice problems is to apply what the student has learned as well as to aid in retention. This is not for a grade! However, if the student completes all the sample problems, the student will be able to turn all sample problems in for extra credit worth 50 points at the end of the course.

1 User Functions

Create a function that ties into a main program. Have the main program be titled as ExampleProgram6_User_Functions.m and the function it is calling Program6_Function.m. In the function set \( z \) to \( x + 12 \) and require that it has an input of \( x \). In the main program call the function and pass 6 into the function (this means \( x=6 \) to the function program) and set it equal to \( R \). Now have the main program display \( R \). To see the full benefit of user defined functions change \( x \) to 12 and run the program, then 24.