

CIS 101 — Quiz 3 solution

Name:

Answer the following question using the MATLAB programming language. Try to be as exact as possible. Your answers should be such that if typed into MATLAB they will produce the correct result. Exactly correct answers will receive full credit. Note that there may be more than one way to answer the question and so any correct answer will be accepted.

Write a program (a script file) that asks for three numbers, adds the first two and multiplies the result with the third, and then stores it in the file called *myoutput*. The matlab commands you will need to use are

```
variable_name = input('string to display')
file_id = fopen('file_name', 'permission')
fprintf(file_id, 'text ... %id ... additional text', variable_name)
fclose(file_id)
```

where 'permission' can be r for read, w for write and a for append, and *id* can be f for float (real number), d for integer, and s for string.

```
a = input('Enter the first number')
b = input('Enter the second number')
c = input('Enter the third number')
d = (a+b)*c
ID = fopen('myoutput', 'w')
fprintf(ID, '%f', d)
fclose(ID)
```