

# Introduction to Computer Science (MAC 101)

Professor: Andi Toce

## Homework 1 (due Monday, October 3<sup>rd</sup>, 2016 midnight via email)

### Assignment

Consider the function  $f(x) = 4x^3 + x^2 + 3x - 5$

Write a C++ program that inputs an integer value for (x) (Assume I will input a valid integer value, you do not need to check for input errors). The program will output the value of the function for the given value of x.

Example

Let  $f(x) = 4x^3 + x^2 + 3x - 5$

Enter a value for x: **2**

$f(2) = 37$

Note: The output should look exactly as shown the example above

### How to submit

Save the file as LastName.FirstName.HW1.cpp

**E-mail** me the file by the due date. Late submissions will **NOT** be accepted

### Grading

Correctness – 50%

Efficiency – 30%

Code style and appearance – 20%