

CSc 3210 – Assignment #2
Summer 2013
Due Tuesday, June 25th at 11:59 pm

Program Description: Write an assembly language program to compute the value of y for the equation below. Your program should print out the final value of y as well as the value computed for each iteration.

$$y = \sum_{x=1}^{10} 3x^2 + 40x - 15$$

You should print out a message for each iteration of x , and then print the final value. Make sure to define macros for the coefficients (3, 40, and 15) and x_{\max} (10), so the TA may change these values easily to test your program. Try to eliminate as many `nop` instructions as possible.

Refer to the following example for your output:

The value for $x = 1$ is 28

The value for $x = 2$ is 77

.....

The overall result is $y = 3205$

- Make sure to document your code
- Your filename should be called lastname2.m