

# CS 261 Machine Organization Fall 2018

LABW1 (100 points)

Name 1 \_\_\_\_\_ NetID 1 \_\_\_\_\_

Name 2 \_\_\_\_\_ NetID 2 \_\_\_\_\_

This lab is due via GradeScope. You must complete your work in the space provided below for the questions in the lab. The lab is due at the end of your session, so be sure to upload prior to the end of your lab session.

- 1) Now using gdb, determine the addresses of the variables named "a" and "b". (20 points for each address)

Variable	Address
a	
b	

- 2) Create a table and show the values in those two addresses after each step (in the C-code) of the two functions (swap and inplace\_swap). (2 functions, 3 steps per function, 2 variables, 5 points per variable, 60 points total)

## Function swap

Step	Value of "a"	Value of "b"
1		
2		
3		

## Function inplace\_swap

Step	Value of "a"	Value of "b"
1		
2		
3		