**COMP 3315 PreLab4: Procedure Calls**

**Number and Name:**

1. **Object**: MIPS Procedure call conventions
2. **Procedure**:

Write and run a MIPS algorithms that inputs an array of integers at data segment *arr1* and the code finds the inverse of these integers and stores them in *arr2* and prints *arr2*. (arr2 must be on different memory address) Use *invert* procedure that inputs a single integer and returns the inverse of it. Call invert for each value in *arr1*.

**Example**: *arr1*: .word 5, -1, 4, -3, 0

*arr2*: -5, 1, -4, 3, 0

Write the C code first and then convert it to MIPS code and the output with short comments in the box below.

