ECE-395: Lab 5 – Worksheet

Group: ____________ Date: ____________

Names: __________________________________________

Observing the assembly generated by the C complier

For the following questions, observe the mixed C/assembly code displayed in the “Disassembly” window while debugging the code

1. Write the C code and generated assembly code for an If statement used in the program.

2. Write the C code and generated assembly code for a multiplication operation used in the program.
3. Write the C code and generated assembly code for a division operation used in the program. (Hint: you only need to call to the division function)

4. Approximately how many instruction are used in the division routine?