Name: **Id#**

COE 205, Term 033

Computer Organization & Assembly Programming

Quiz# 4

Date: Tuesday, July 20, 2004

Q1. Suppose that you have the following initial content of 8086 registers:

   AX=00F7H   BX=0004H   CX=FFF2H   DX=0000H

(i)   Determine the content of the destination operand after the execution of each of the
following instructions. Indicate the effect on the <u>overflow</u> flag. Use the <u>initial</u>
<u>content</u> of the registers for the execution of each instruction.

1.   MUL BL

2.   IMUL BL

3.   DIV BX

4.   IDIV CX