EECE.3170: Microprocessor Systems Design I
Fall 2016

Lecture 8: Key Questions
September 21, 2016

1. Describe the operation of the MUL and IMUL operations.

2. Describe the operation of the DIV and IDIV operations.

3. **Example:** Given EAX = 00000005h and EBX = 0000FF02h, what are the results of the following instructions? Assume each instruction starts with the values shown above in EAX and EBX.

   a. MUL BL

   b. MUL BH

   c. IMUL BH

   d. DIV BL

   e. DIV BH

   f. IDIV BH