16.317: Microprocessor Systems Design I

Spring 2013

Lecture 28: Key Questions
April 12, 2013

1. Describe how to work with multi-byte data.

2. Translate these x86 operations to PIC code. Assume that there are registers defined for each
    x86 register (e.g. AL, AH, BL, BH, etc.). 16-bit values (e.g., AX) must be dealt with as
    individual bytes

*   MOVZX   AX, BL

*   MOVSX   AX, BL

*   INC   AX

*   SUB   BX, AX

*   RCL   AX, 5