16.317: Microprocessor Systems Design I
Spring 2013

Lecture 27: Key Questions
April 10, 2013

1. Describe how to write PIC code to implement operations that deal with two registers (e.g. moving the contents of one register to another; adding two registers).

2. Describe how to implement conditional jumps.

3. Describe how to implement shift and rotate operations.

4. Translate these x86 operations to PIC code. Assume that there are registers defined for each
    x86 register (e.g. AL, AH, BL, BH, etc.)

    - OR   AL, BL

    - SUB   BL, AL

    - JNZ   label

    - JL   label

    - SAR   AL, 1

    - ROL   AL, 5