16.317: Microprocessor Systems Design I

Spring 2015

Lecture 20: Key Questions
March 23, 2015

1. (Review) Describe the PIC instructions for increment, decrement, and complement operations.

2. (Review) Describe the PIC instructions for addition and subtraction.

3. **Example**: Show the values of all changed registers after the following sequence

```
cblock      0x20
     varA
     varB
     varC
endc
clrf       varA
clrf       varB
clrf       varC
incf       varA, W
sublw      0x0F
addwf      varB, F
decf       varB, F
comf       varB, W
subwf      varC, F
```

4. Describe the PIC instructions used for multi-bit bitwise operations.

5. Describe the PIC shift and rotate instructions.