EECE.3170: Microprocessor Systems Design I

Fall 2016

Lecture 20: Key Questions
October 26, 2016

1. Describe the instruction formats of the PIC 16F1829.

2. Describe how variables can be declared in PIC assembly language.

3. Describe the PIC instructions for clearing or moving registers.

4. Describe the PIC instructions for manipulating a single bit.

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

```
cblock     0x30
      x
      y
endc
clrw
movwf      x
movlw      0xFE
movwf      y
swapf      y, F
bcf        y, 3
bsf        x, 3
movf       y, W
```

6. Describe the PIC instructions for increment, decrement, and complement operations.

7. Describe the PIC instructions for addition and subtraction.