

# 16.216: ECE Application Programming

Fall 2011

## Lecture 7: Key Questions

September 19, 2011

1. **Example 1:** Evaluate each of the following expressions if you have the following unsigned ints:  $A = 7$ ,  $B = 10$ , and  $C = 0xFFFFFFFF$
- a.  $A \& B$

b.  $A \mid \sim B$

c.  $A \wedge C$

d.  $A \&\& \sim C$

e.  $A \ll 4$

f.  $B \gg 5$

g.  $A \mid (B \ll 2)$

a. Clear all bits of  $n$ ?

f. Clear bit  $b$  of  $n$  (i.e., make sure bit  $b$  is 0)?