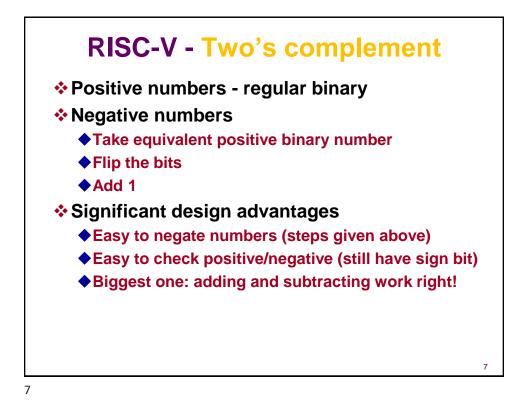
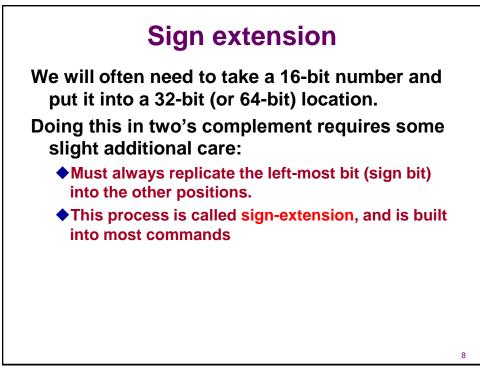
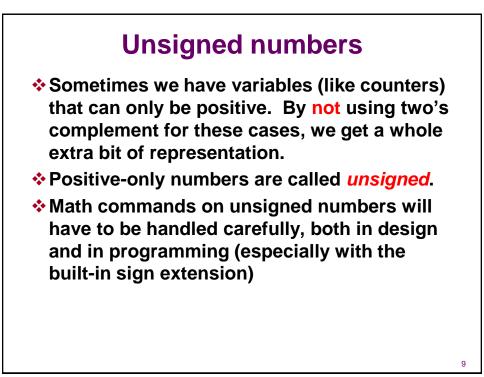


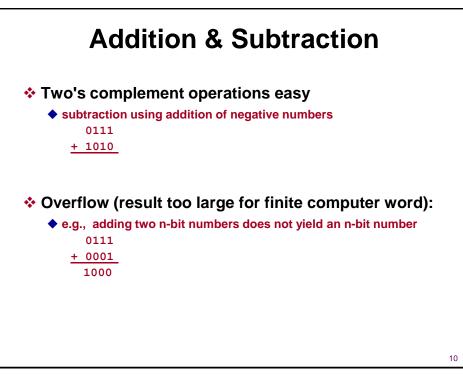
Sign Magnitude:	One's Complement	Two's Complement
000 = +0	000 = +0	000 = +0
001 = +1	001 = +1	001 = +1
010 = +2	010 = +2	010 = +2
011 = +3	011 = +3	011 = +3
100 = -0	100 = -3	100 = -4
101 = -1	101 = -2	101 = -3
110 = -2	110 = -1	110 = -2
111 = -3	111 = -0	111 = -1
Which one is I	best? Why?	

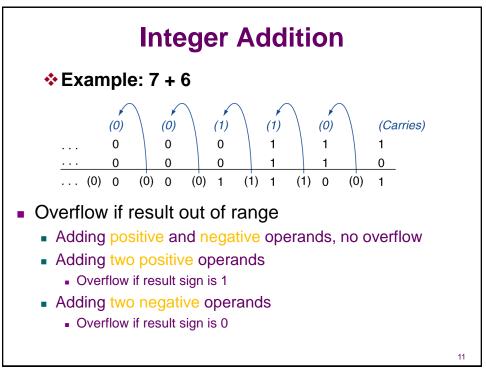


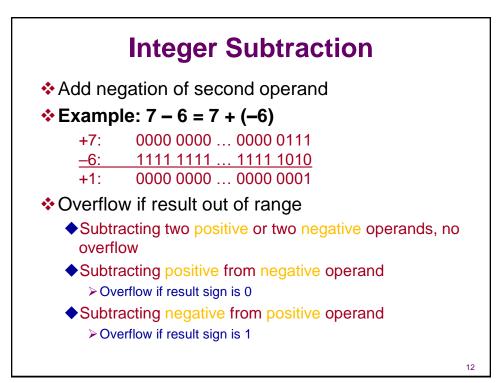












Practice

- 1. Represent +14, -14, +25, and -25 in 6-bit two's complement notation
- 2. Using these representations,
 - a) Add -14 + -14
 - **b)** Add 14 + -25
 - **c)** Add 14 + 25
- 3. Any overflows?

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