

## Recitation 1 practice:

1. Convert hexadecimal to decimal: 0x3A6C
2. Convert hexadecimal to binary: 0x3A6C
3. Convert from decimal to binary: 415.25
4. Convert from decimal to hexadecimal: 415.25
5. Convert from binary to hexadecimal: 1001011101.111
6. Convert from binary to decimal: 1001011101.111
7. A computer's memory is composed of 8K words of 32 bits each. How many bits are required for memory address if the smallest addressable memory unit is a word?
8. A computer's memory is composed of 4K words of 32 bits each. How many total bits in memory?
9. A computer's memory is composed of 8K words of 32 bits each, and a byte is 8 bits. How many bytes does this memory contain?
10. A "word" is the natural unit of organization of memory. Different computer types may have different word lengths (in bits) . True or False?