

## Recitation 4 practice

1. For the IEEE single precision floating point representation (32 bits) what is the representation of the number 46? Show your answer in binary in the form: x xxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx and also as 8 hexadecimal digits.
2. For the IEEE single precision floating point representation (32 bits) what is the representation of the number -24.75? Show your answer in binary in the form: x xxxxxxxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx and also as 8 hexadecimal digit
3. For the IEEE single precision floating point representation (32 bits) what number is represented by the bit pattern corresponding to: 0x42c2e000
4. convert the following number to a floating point number:  

sign	exp	mantissa
1	01111101	010...0