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 xxxxxxxxxxxxxxxxxxxxx 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 xxxxxxxxxxxxxxxxxxxxx and also as 8 hexadecimal digit

3. For the IEEE single precision floating point representation (32 bits) what number os 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