CSCI-21 Quiz 7



Name I smae | Costez

Closed notes, closed books, no electronic devices of any type. Please use pencil and erase mistakes. Show your work. 10 points

Convert 64.625 to an IEEE-754 floating point expressed in hexadecimal. (5 points)

$$\frac{128 \ 64 \ 32 \ 16 \ 8 \ 4 \ 2 \ 1}{0 \ 1 \ 0 \ 0 \ 0 \ 0 \ 0 \ 0} = 64$$

$$\frac{5}{0} \quad 64.625 = 01000000, 101 = 1.000000101 \times 2^{6}$$

Convert 0xC2838000 from IEEE-754to decimal. (5 points)