wdk7bj
floating point number in hex: 0x0000a03f (little endian)
floating point number: -4.4296875

1. floating point number: -4.4296875
    a. sign: **1** since floating point number is negative
    b. exponent: 4.4296875 / 2^2 = 1.107421875 (must be greater or equal than 1, less than 2). Since 2^2 and the power is 2, 2+ 127 = 129. 129 in binary is **1000 0001**
    c. 1.107421875 - 1 = 0.107421875 → (0.5)^4 + (0.5)^5 + (0.5)^7 + (0.5)^8 + (0.5)^9.
       → **1000 0001 0000 1101 1100 0000**
    d. **1100 0001 1000 0001 0000 1101 1100 0000**
    e. Therefore, **0xc1810dc0**

2. hex: 0x0000a03f (little endian) → 0x3fa00000 (big endian)
    a. 0011 1111 1010 0000 0000 0000 0000 0000
    b. sign: 0 → **positive**
    c. exponent: 0111 1111 → 2^6 + 2^5 + 2^4 + 2^3 + 2^2 + 2^1 + 2^0 = 127
       → 127 - 127 = 0. Therefore, **2^0**
    d. 010 0000 0000 0000 0000 0000 → (0.5)^2 = **0.25**
    e. 1 + 0.25 = **1.25**
    f. 1.25 * 2^0 = **1.25**
    g. Thus, **0x3fa00000 = 1.25$_d$**