Bryan Guner 10/28

Convert 1.414 to: UQ4.4;UQ4.8;UQ24.8

1. (0001.0111)2
2. (0001.01101010)2
3. (0000 0000 0000 0000 0000 0001. 0110 1010)2

What is the largest value that can be represented by UQ4.4?

Range:[0:2m-2-n] ,therefore largest #=15+15/16

Interpret 0xAB as : UQ4.4;UQ0.8;UQ8.0

1. (10.6875)10
2. (0.6875)10
3. (171)10

Interpret 0x8000 as: UQ16.0;UQ8.8;UQ0.16

1. (32768)10
2. (128)10
3. (0.5)10

Convert -1.414 to: Q4.4;Q4.8;Q24.8

1. (11110.1001)2
2. (11110.10010110)2
3. (111111111111111111110.10010110)2

What is the largest value you can represent in Q4.4?  
range:[-2m:2m-2-n]

Largest value= 15.9375

Interpret 0xAB as Q3.4;Q0.7;Q7.0

1. (-5.3125)10
2. (-0.332031)10
3. (-85)10

Interpret 0x8000 as Q16.0;Q8.8;Q0.16

1. (-32768)10
2. (-128)10
3. (-1/2)10