1 a)

A = 1111 A0 = 1 A1 = 1 A2 = 1 A3 = 1

B = 1110 B0 = 0 B1 = 0 B2 = 0 B3 = 0

= 11101 = = 0 = 1 = 1

S = 1 S = 0 S = 1 S = 1 1

**S=11101**

b)

A = 1001 A0 = 1 A1 = 1 A2 = 1 A3 = 1

B = 1111 B0 = 1 B1 = 0 B2 = 0 B3 = 0

= 11000 = = 1 = 1 = 1

S = 0 S = 0 S = 1 S = 1 1

**S=11000**

a)

10000110 = 134 – 127 = 7

1,00001111 = 10000111,1 = 135,5

b)

10000111 = 135 – 127 = 8

1,101000111 = 110100011,1 = -419,5

c)

134 – 127 = 7

1,101010001 = 11010100,01 = -212,25

d)

10001000 = 136 – 127 = 9

1,00111111101 = 100111111,01 = 639,25

2 a)

11010100,1 = 1,10101001

127 + 7 = 134 = 10000110

= 0 1000011011010100100000000000000

b)

01000100011,01

= 0,100010001101

= 1 1000100110001000110100000000000

c)

1010100101,1

=1,010100101 \*

127 + 9 = 136

= 10001000

= 0 1000100001010010100000000000000

d)

1,01011001 \*

127 + 8 = 135

= 10000111

=1 1000011101011001000000000000000