b) $X - Y = 01101011 - 10101110$ em notação de complem. 2

$X - Y = X + (-Y)$

$= X + C_2(Y)$

$C_2(Y) = C_1(Y) + 1 = 01010001 + 1$

$= 01010010$

$X - Y = 01101011 + 01010010 =$

$= 10111101$

↳ bit de sinal = 1 $\Rightarrow$ $X - Y < 0$

$X - Y = -|X - Y|$; $|x-y|$ = magnitude

$|x - Y| = C_2(x + Y) = C_2(10111101)$

$= 01000011$

Em notação sinal-magnitude:

$X - Y = \underbrace{1}_{\text{bit de sinal}}\underbrace{1000011}_{\text{magnitude}}$

c) $(6578.524)_8 \longrightarrow$ BCD

$(6572.524)_8 = 6 \times 8^3 + 5 \times 8^2 + 7 \times 8^1 + 2 + 5 \times 8^{-1} + 2 \times 8^{-2}$
$+ 4 \times 8^{-3}$

$= (3450.664)_{10}$

$= ([0011][0100][0101][0000].[0110][0110][0100])_{BCD}$

$= (001101000101010000.011001100100)_{BCD}$