Grupo 1

(1A)

a) $(345.103)_8 \rightarrow$ decimal

$= 3\times8^2 + 4\times8 + 5\times1 + 1\times\left(\frac{1}{8}\right) + 3\times\left(\frac{1}{8^3}\right)$

$= 3\times64 + 32 + 5 + 0.125 + 0.00586$

$= 192 + 37 + 0.131$

$= (229.131)_{10}$

b) $C_2(11011101) = C_1(..) + 1 = 00100010 + 1$

$= 00100011$

c) $(479.081)_{10} \rightarrow$ BCD

$= ([0100][0111][1001]_{BCD}.([0000][1000][0001])_{BCD}$

$= (010001111001.000010000001)_{BCD}$

(1B)

a) $(812.209)_{10} \rightarrow$ octal

812	8			
LSB 4	101	8		
	5	12	8	
		4	1	8
		MSB 1	0	

$(812)_{10} = (1454)_8$

$0.209 \times 8 = 1.672$ MSB

$0.672 \times 8 = 5.376$

$0.376 \times 8 = 3.008$

$0.008 \times 8 = 0.064$

$0.064 \times 8 = 0.512$

$0.512 \times 8 = 4.096$ LSB

$(0.209)_{10} = (0.153004)_8$

$(812.209)_{10} = (1454.153004)_8$