

GABRILO AP1 - 2017/2°

①

13
512
256
128
64
16
7
983

2a) $(1111010111.011)_2 = (983.375)_{10} = (3D7.6)_{16}$

$\begin{array}{r} 0.25 \\ 16 \times 0.125 \\ \hline 0.375 \end{array}$

b) $(22212042200220212.21222022201)_3 = (285280825.786863)_9$

c) $6666657_6 = (2304355)_6$

5 111110 6 111 12345 6 1405 6 156 6 21 6 2 6 2 0

d) $(3330320131.3033203)_4 = (FCE1D.CF8C)_{16}$

$= (1111110011100011101.1100111100011)_2 = (3747035.63706)_8$

e) $(CCEA99F.08CD)_{16} = (303222212133.00203031)_4$

$= (11001110101001001111.000100011001101)_2 = (63524637.021464)_8$

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

$$\begin{array}{r}
 \textcircled{3a) \text{ EA0DEBEC.B3C7}_{16} \\
 + \text{ CFFDE03C.DFFA}_{16} \\
 \hline
 (1BA0BCC29.93C1)_{16}
 \end{array}$$

2

$$\begin{array}{r}
 b) 70000211.0001_8 \\
 - 67657177.76407_8 \\
 \hline
 (121011.01401)_8
 \end{array}$$

$$\begin{array}{r}
 c) 1000201.0A1_{16} \\
 - FDC9BC.ED9C_{16} \\
 \hline
 (23844.1C74)_{16}
 \end{array}$$

10 10 10 10 10 10 10 10 1 1 1 1

$$\begin{array}{r}
 d) 1011011111.1101_2 \\
 1110101011.10101_2 \\
 + 1101111111.10101_2 \\
 \hline
 (101000001011.001)_2
 \end{array}$$

$$\begin{array}{r}
 e) 1010011101.0001_2 \\
 - 111011111.10111_2 \\
 \hline
 (10111101.01011)_2
 \end{array}$$