

② a) $(1|1|1|0|1|1|0|1.1|1)_2 = (?)_{10} = (?)_{16} = (3DD.E)_{16} =$
 I $12+256+128+64+16+13 = 989$
 F $0.5+0.25+0.125=0.875$ $= (989.875)_{10}$

③ $\left\{ \begin{array}{l} 12222002221200202.011220F1021 \\ 1880876221516723 \end{array} \right\}_9 =$

④ $6604537_8 \begin{array}{r} |6| \\ \hline 1100617 |6| \\ 13 \quad 30 \\ 57 \quad 006 \\ \hline 17 \quad 22 \\ 3 \quad 40 \\ \hline 1 \quad 21 \\ 53 \quad 32 \\ \hline 1 \quad 5 \quad 27 \\ 1 \quad 5 \quad 5 \quad 27 \\ 1 \quad 6 \quad 6 \quad 16 \end{array} = (101551035)_6$

d) $(7506645.1057)_8 =$
 $= (1|1|1|0|1000|1|0|1|0|1|0|1|0|1|0|1|1|1)_2$
 $= (1|B|2|2|0|B|1|F|2|1|1|1|0|2|0|2|3|3)_4 =$
 $= (1|E|8|D|A|5|2|2|F)_{16}$

e) $(DD94B.8CA)_{16} = (3131211023.203022)_4 =$
 $= (1|1|0|1|1|0|1|0|0|1|0|0|1|0|1|1.1|0|0|1|1|0|0|1|0|1|0)_2$
 $= (3|3|5|4|5|1|3|4|3|1|2)_{10}$

$$\textcircled{3} \quad \begin{array}{r} \text{a) } \begin{array}{r} \text{FEDDBEC.B9E}_{16} \\ + \text{EFFDB1C.CBEA}_{16} \\ \hline (\text{1EEDB709.85CA})_{16} \end{array} \end{array}$$

$$\begin{array}{r} \text{b) } \begin{array}{r} 70000210.0301_8 \\ - 67657147.754778_8 \\ \hline (00121040.05311)_8 \end{array} \end{array}$$

$$\begin{array}{r} \text{c) } \begin{array}{r} 1010200.073_{16} \\ - \text{FFC5AD.9CBE}_{16} \\ \hline (13C52.6A72)_{16} \end{array} \end{array}$$

$$\begin{array}{r} \text{d) } \begin{array}{r} 10111010111111_2 \\ 1111001101.1001_2 \\ 1110011101.1010_2 \\ + 1101111010.1011_2 \\ \hline (101011100101.1111)_2 \end{array} \end{array}$$

$$\begin{array}{r} \text{e) } \begin{array}{r} 1010001001.0001_2 \\ - 111010111.10111_2 \\ \hline (10110001.01011)_2 \end{array} \end{array}$$