

1) 
$$50822_{10} = 7.9^{4} + 6.9^{3} + 6.9^{3} + 3.9^{1} + 8.9^{0} = 76638_{g}$$

2) 
$$85667_9 = 7.9^{\circ} + 6.9^{1} + 6.9^{2} + 5.9^{3} + 8.9^{4} = 56680_{10}$$

3) 
$$010101_{5} = 1.5^{0} + 1.5^{2} + 1.5^{4} = 651_{10} = 2.15^{2} + 13.15^{1} + 6.15^{0} = 206$$

5) 
$$25,36_{16} = 25_{16} + 0,36_{16} = 2\cdot2^{4} + 5\cdot2^{0} + (2\cdot2^{-4} + 3\cdot2^{-8}) = 100101_{2} + 2^{-3} + 2^{-4} + 2^{-8} = 100101,00100011_{2}$$

6) 65, 563 = 
$$6.8^{1} + 5.8^{0} + 5.8^{-1} + 6.8^{-2} = (2^{5} + 2^{4} + 2^{2} + 2^{0}) + (2^{-1} + 2^{-3} + 2^{-4} + 2^{-5}) = 110101$$
,  $10111_{2}$ 

$$\frac{7}{1}0,1101,0100_{2} = (8/16 + 4/16 + 1/16) + 4.1/256 = 13/16 + 4/256 = .D4_{16}$$



8. 
$$0$$
,  $10 \, 1111_2 = 32/64 + 8/64 + 4/64 + 2/64 + 1/64 = 47/64 = 0$ ,  $73438_{70}$   
9.  $87$ ,  $93_{16} = 11 \cdot 16^1 + 7 \cdot 16^0 + 9 \cdot 16^{-1} + 3 \cdot 16^{-2} = 176 + 7 + (144/256 + 3/256) = 183 + 147/256 = 183,57422_{10}$ 

$$10.94_{10} = 89 + 5 = 1000001000_{yg}$$

$$\frac{11}{4} \int_{1}^{4} \int_{1}^{4} \int_{1}^{2} \int_{1}^{4} \int_{1}^{4} \int_{1}^{2} \int_{1}^{4} \int_{1}$$

12. 
$$10010010_{\text{QDMF}} = 34 + 8 + 2 = 44_{10}$$
  
13.  $100101.001001_{\text{EFPT}} = \left(\frac{1+\sqrt{5}}{2}\right)^{3} + \left(\frac{1+\sqrt{5}}{2}\right)^{2} + \left(\frac{1+\sqrt{5}}{2}\right)^{0} + \left(\frac{1+\sqrt{5}}{2}\right)^{-3} + \left(\frac{1+\sqrt{5}}{2}\right)^{-6} = 15_{10}^{2} =$