

1. a) 611

611	16
48	38
131	32
128	6
3	

16
2

$$\left. \begin{array}{l} 263_{16} \end{array} \right\}$$

b) 48

48	16
48	3
0	

$$\left. \begin{array}{l} 30_{16} \end{array} \right\}$$

c) 5000

5000	16		
48	312	16	
20	16	19	16
16	152	16	1
40	144	3	
32	8		
8			

$$\left. \begin{array}{l} 1388_{16} \end{array} \right\}$$

d) 6199

6199	16		
48	387	16	
139	32	24	16
128	67	16	1
119	64	8	
112	3		
7			

$$\left. \begin{array}{l} 1837_{16} \end{array} \right\}$$

2.

a) 500 $5 \cdot 8^2 + 0 \cdot 8^1 + 0 \cdot 8^0$
 $320 + 0 + 0$
 320_{10}

d) 277 $2 \cdot 8^2 + 7 \cdot 8^1 + 7 \cdot 8^0$
 $128 + 56 + 7$
 191

b) 485 $4 \cdot 8^2 + 8 \cdot 8^1 + 5 \cdot 8^0$
 $256 + 64 + 5$
 325_{10}

c) 5445 $5 \cdot 8^3 + 4 \cdot 8^2 + 4 \cdot 8^1 + 5 \cdot 8^0$
 $2560 + 256 + 32 + 5$
 2853_{10}

3. a) $75\,202,53 + 0,009997$

$$0,7520253 \times 10^5 + 0,0000009997 \times 10^5$$

$$= 0,7520254 \times 10^5$$

b) $533,075 - 38611,007$

$$0,00533075 \times 10^5 - 0,38611007 \times 10^5$$

$$= -0,38077932 \times 10^5$$

c) $0,38654 \cdot 0,0012097$

$$0,0038654 \times 10^2 \cdot 0,12097 \times 10^{-3}$$

$$= 0,4675974 \times 10^{-4}$$

d) $37,86093 / 0,00103862$

$$0,3786093 \times 10^2 / 0,103862 \times 10^{-3}$$

$$= 0,3645311 \times 10^6$$