1. Translating Unsigned Decimal to Binary

$$(37)_{D}$$
= $37/2 = 18 r 1$
 $18/2 = 9 r \emptyset$
 $9/2 = 4 r 1$
 $4/2 = 2 r \emptyset$
 $2/2 = 1 r \emptyset$
 $1/2 = r 1$

2. Binary Addition

4. Converting Hexadecimal to Decimal

$$(1234)_{H} = (1 \times 16^{3}) + (2 \times 16^{2}) + (3 \times 16^{1}) + (4 \times 16^{0})$$

$$= 4660$$

5. Converting Decimal to Hexadecimal

$$6.1(28)_{H} + (58)_{H} =$$

1 6

85 n

$$21/16$$
 $6.2(6A)_H + (4B)_H = 1 r 5 A + B$

7. Hexadecimal Subtraction

$$7.1 (B6)_{H} - (6B)_{H} =$$

$$7.2 (75)_{H} - (47)_{H} =$$