a) $11101001_2 =$ $\underbrace{1110}_{14}$ $\underbrace{1001}_{9}$ $11101001_2 = E9_{16}$
                  E

b) $10000000_2 =$ $\underbrace{1000}_{8}$ $\underbrace{0000}_{0}$ $10000000_2 = 80_{16}$

c) $11111110_2 =$ $\underbrace{1111}_{15}$ $\underbrace{1110}_{14}$ $11111110_2 = FE_{16}$
                  F E

1.6.16

5735_8 $\underbrace{5}_{101}\underbrace{7}_{111}\underbrace{3}_{011}\underbrace{5}_{101}$ $\underbrace{1011}_{11}\underbrace{1101}_{13}\underbrace{1101}_{13}$
                                                    B D D

$5735_8 = BDD_{16}$

6770_8 $\underbrace{6}_{110}\underbrace{7}_{111}\underbrace{7}_{111}\underbrace{0}_{000}$ $\underbrace{1101}_{13}\underbrace{1111}_{15}\underbrace{1000}_{8}$
                                                    D F 8

$6770_8 = DF8_{16}$

1.6.17

a) $10011 + 10110_2$ $\overset{1\ 1}{1\,0\,0\,1\,1}$
                              $+\ 1\,0\,1\,1\,0$
                              $\overline{1\,0\,1\,0\,0\,1}$