```
Homework #2
37) a) 3816 = 00111000
                                     e) 410010 = 0100000 100000000
                                     1) FB1716 = 1111101100010111
      6) 5916 = 01011001
                                    3) 8 400,0 = 1000101010011101
      c) A1416 = 101000010100
      a) SC8 16 7 6 10 11 100 1000
39) a) 23, L
      00100011 = 29+21+23 = 1+2+32 = 35
    6) 9216
      10010010 = 2 + 24 + 27 = 2 + 16 + 128 = 146
    CILAIL
      00011010 = 2' + 23+2" = 2+8+16 = 26
    d) 8016
     10001101 = 20 + 22 + 23 + 27 = 144 + 8 + 128 = 141
                                                                       e) F 316
     11110011 = 20+2 + 24+25+24+27= 1+2+16+32+64+128= 243
                                                                       1/4
                                                                       11101011 = 20+2+23+25+20+27=1+2+3+32+64+128=235
                                                                       9) SC216
                                                                       0 10 1100 0010 = 2 + 2 + 2 + 27 + 28 + 210 = 2 + 64 + 128 + 256 + 1024 = 1474
                                                                       011100000000 = 24 + 29 + 210 = 256 + 512 + 1024 = 1792
                                                                       e) 284 = 17,75 > 16 = C
40) a) 8 = 0.5 × 16 = 8
                                                                       HIC
                                                                       17 = 1.0625 × 16 = 1
   b) 14 = 0.875 > 16 = E
                                         1 = . 0625 × 16 = 1
                                                                       0) 33 - 2.0625 × 16 = 1
                              21
      2 = 0.125 + 16 = 2
                                     f) 2890 - 180 . 625 x 16 = A,
                                                                       180 = 11,25 × 16 = 4
                                                                BHA
                                                                       1
   a) $2 = 3.25 × 16 = 4,
                           34
                                         11 = 0.6878 > 16 = B
                                                                       \frac{3}{16} = 0, 1875 > 16 = 3
```



