ZAD. DOM

1. a) 1111 1111 1111.

   b) 777 7777

   c) FF FFFF FFFF

2. w mailu

3. a) mantysa = 111   cecha = 101.

$$x = (1,111)_2 \cdot (2^{(101)_{U2}})_{10} = (1,875)_{10} \cdot 2^{-3} = (0,234\,375)_{10}$$

$$2^0 + 2^{-1} + 2^{-2} + 2^{-3} =$$

$$= 1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{8} =$$

$$= 1 + \frac{4}{8} + \frac{2}{8} + \frac{1}{8} =$$

$$= 1\frac{7}{8} = (1,875)_{10}$$

   b) mantysa = 110   cecha = 010

$$x = (1,110_2)_2 \cdot (2^{(010)_{U2}})_{10} = (1,75)_{10} \cdot 2^2 = (7)_{10}$$

   c) mantysa = 101   cecha 110

$$x = (1,101)_2 \cdot (2^{(110)_{U2}})_{10} = (1,625)_{10} \cdot 2^{-2} = (0,40625)_{10}$$

4. Marcin Siwierski w ASCII ~ 77 97 114 99 105 110
                                   M a r c i n

                           83 105 119 105 101 114 115 107 105
                            S i w i e r s k i

5. w mailu