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Lab 03 – Other Bases and Data

February 3, 2016

1.

   a) 10101111 = -47

   b) 01010000 = -80

   c) 01010001 = -81

2.

   a) 0011 1011 0101 1101

   b) 1100 0100 1010 0011

   c) C 4 A 3

3.

   a) 6 1 3 3

   b) a 3

4.

   a) $-1.1010^{(20)} \times 2^{-2}$

   b) -.01101 = -.40625

5.

   a) 1.01101011×2^{2}

   b) 0100 0000 1011 0101 1000 0000 0000 0000

6.

11_2 and $11.0^{(20)}1_2$

7.

a) 1.0000×2^6 with no truncation of 1 bits

b) 1.0000×2^5 with truncation