

problem#1:

| Problem | 1's complement s | 2's complements |
|---------|---------------------|-----------------|
| a | 11101111 | 11110000 |
| b | 11111111 | 00000000 |
| c | 00100101 | 00100110 |
| d | 01010101 | 01010110 |
| e | 01111010 | 01111011 |
| f | 00000000 | 00000001 |

problem#2:

- a) 11111010
- b) 10000110

problem#3:

- a) 8-bit signed magnitude : 10101010
2's complement: 11010110

b) 001001101
11010110 +

00100011