1.

Binary Inputs	Carry	Binary Sum	Hex Equivalent
01111111 + 0000000	0	10000000	(80)_H
11111111 + 0000000	1	00000000	(00)_H
11000000 + 0100000	1	00000000	(00)_H
11000000 + 1000000	1	01000000	(40)_H

2.

Binary Inputs	Overflow	Carry	Binary Sum	Hex Equivalent	Two's Complement
01111111 + 00000001	1	0	010000000	(80)_16	10000000
11111111 + 00000001	0	1	100000000	(100)_16	100000000
00000000 - 00000001	1	0	11111111	(FF)_16	00000001
00000000 - 01111111	1	0	10000001	(81)_16	01111111
11000000 + 01000000	0	1	100000000	(100)_16	100000000
11000000 + 10000000	1	1	110000000	(180)_16	010000000