2.

	原码	补码	移码
10101	0 10101	0 1010 1	1 1010 0
11111	0 11111	0 11111	1 11110
10000	0 10000	0 10000	1 0111 1
-10101	1 10101	1 0101 1	0 0101 0
-10000	1 10000	1 10000	0 0111 1

5. (1) $[16]_{补}$ = 000 0000

$[6]_{补}$ = 000 0110

$[22]_{补}$ = 0001 0110

(2) $[8]_{补}$ = 0000 1000

$[18]_{补}$ = 0001 0010

0000 1000 + 0001 0010 = 0001 1010

$[26]_{补}$ = 0001 1010

(3) $[9]_{补}$ = 0000 1001

$[-7]_{补}$ = 1111 1001

0000 1001 + 1111 1001 = 0000 0010

$= [2]_{补}$

(4) $[-25]_{补}$ = 1 1100 111

$[6]_{补}$ = 0000 0110

1110 0111 + 0000 0110 = 1110 1101

$= [-19]_{补}$

(5) $[8]_{补}$ = 0000 1000

$[-18]_{补}$ = 1110 1110

0000 1000 + 1110 1110 = 1111 0110

~~= 1000 1010~~ $= [-10]_{补}$

(6) $[9]_{补} = 0000\,1001$ $0000\,1001 + 1111\,1001 =$

$[-7]_{补} = 1111\,1001$ $0000\,1001 + 0000\,0111 =$

$[7]_{补} = 0000\,0111$ $0001\,0000$

$= [16]_{补}$

(7) $[16]_{补} = 0001\,0000$ $0001\,0000 + 1111\,1010$

$[-6]_{补} = 1111\,1010$ $= 0000\,1010$

$= [10]_{补}$

(8) $[-25]_{补} = 1110\,0111$ $1110\,0111 + 1111\,1010$

$[-6]_{补} = 1111\,1010$ $= 1110\,0001$

$= [-31]_{补}$

9. $8069 = (1000\,0000\,0110\,1001)_{BCD}$

$5324 = (0101\,0011\,0010\,0100)_{BCD}$

10. (1) $(0111\,1001)_{BCD}$

$= (79)_{10}$

$(79)_{10} = (1001111)_2$

(2) $(1000\,0011)_{BCD} = (83)_{10}$

$= (1010011)_2$

11. (1) 3531H (2) 3746H (3) 4142H (4) 4336H