



# Two's Complement Worksheet



**12**  
**34** Convert the following decimal numbers to 2's complement binary:

#	Decimal Number	Bits	2's Complement Binary
1	3	4	
2	-5	4	
3	7	4	
4	-8	4	
5	12	8	
6	-20	8	
7	25	8	
8	-32	8	
9	50	8	
10	-64	8	

**12**  
**34** Convert the following 2's complement binary to decimal:

#	Bits	2's Complement Binary	Decimal Equivalent
11	4	0110	
12	4	1101	
13	4	1001	
14	4	0100	
15	8	10101100	
16	8	01111001	
17	8	11110000	
18	8	00001111	
19	8	10000001	
20	8	01100011	

