Please submit this assignment no later than 11:00am on Tuesday, December 6, 2016

1. [20 points] Convert the following decimal values into **8-bit** two's complement. In the first column list the positive value, in the second column list the negative value.

	Decimal	Positive	Negative
1.	0		
2.	1		
3.	2		
4.	17		
5.	49		
6.	85		
7.	99		
8.	108		
9.	127		
10.	128		

_____/20 points

2. [20 points] Convert the following 8-bit two's complement numbers into decimal values.

	Two's Complement	Decimal
11.	00001100	
12.	10101010	
13.	10000000	
14.	11111111	
15.	01010101	
16.	01111111	
17.	10000000	
18.	11101101	
19.	00010010	
20.	00000000	

_____/20 points

3. [20 points] Convert the following decimal values into **16-bit** two's complement. In the first column list the positive value, in the second column list the negative value.

	Decimal	Positive	Negative
21.	1		
22.	256		
23.	3089		
24.	8051		
25.	8878		
26.	9359		
27.	15277		
28.	28724		
29.	32767		
30.	32768		

Submission: Please submit your answers electronically via Blackboard no later than 11:00am on Tuesday, December 6, 2016.

Total Points: _____/60 _____/20 points