CSULB
CECS225

Lab2

Show your work at the end of the document and type your answer in the allocated cell.
No work no credit even if the answer is correct.
Everything must be typed (submitted electronically)
Convert your document to pdf and upload.

1. Convert the following decimals to 8-bit signed binary (2's complement):

Decimal	8-bit binary equivalent							
- 49								
-239								
-95								
-200								
-101								

2. Convert the following decimals to 16-bit signed hexadecimal:

Decimal	16-bit hex equivalent			
10477				
23948				
-33395				
-2000				
-10101				

3. Convert the following 16-bit signed hexadecimal numbers to a signed (+/-) decimal:

Hex Value	Signed decimal equivalent
DE28	
CCC5	
543A	
044F	
F0F0	

4. Convert the following decimal to the equivalent number in the radix given using the fewest digits.

Radix	Decimal	Radix equivalent value
8	4579	
4	243	
12	3000	
6	97	
3	100	

5. Convert the following numbers

from	to	The result
$A9_{16}$	Binary	
$2A6_{16}$	Decimal	
489_{10}	Hex	
496_{10}	BCD	
011101011000_{BCD}	Decimal	
10010101_{BCD}	Binary	