UNIVERSITY OF CALIFORNIA, RIVERSIDE				
Department of Computer Science and Engineering				
	CS61 – Machine Organization and Assembly Language Homework 1	12		
Given August 1, Due August 7, 2001				
1.	How many bytes are needed to store the letters "Computer Science"? Give your reason.	(1)		
2.	Convert the letters "Computer Science" to their ASCII codes in decimal.	(2)		
3.	Convert the following 2's complement binary numbers to decimal, octal, & hexadecimal:			
	a) 1110001001	(3)		
	b) 0110101110	(3)		
4.	Using 6-bit 2's complement binary arithmetic, perform the following calculations. Sp whether the calculation produces an overflow or overflow error.	pecify		

a)	23 - 11	(1)
b)	8 + 53	(1)
c)	14 + (-17)	(1)