	•	1001					
•	Express	ess each decimal number in binary as an 8-bit sign-magnitude number:					
	(a) +29 (b) 285						
•	Express each decimal number as an 8-bit number in the 2's complement form:						
	(a) 268		(b) +101	I			
•	Determine the decimal value of each signed binary number in the 2's complement form:						
	(a) 10011001		(b) 01110100				
•	Determine the values of the following single-precision floating-point numbers:						
	(a) 1 10000001 0100100111000100000000						
	(b) 0 11001100 1000011111010010000000						
•	Perform each addition in the 2's complement form						
	(a) 1000	a) 10001100 + 00111001 (b) 11011001 + 11100111					
•	Multiply 01101010 by 11110001 in the 2's complement form.						
•	Convert each of the BCD numbers to decimal:						
	(a) 00011	001	(b) 001	10010			
•	Convert each Gray code to binary:						
	(a) 1010		(b) 00010		(c) 11000010001		
•	Convert	each of	the follo	wing de	ecimal numbers to ASCII. Refer to Table 2–7.		
	(a) 1	(b) 3	(c) 6	(d) 10	(e) 18		
	(f) 29	(g) 56	(h) 75	(i) 107			
•	Determine each ASCII character. Refer to Table 2–7.						
	(a) 00110	000	(b) 1001010				
•	Determine which of the following even parity codes are in error:						
	(a) 10011	0010	(b) 0111	01010			
•	Attach th	Attach the proper even parity bit to each of the following bytes of data:					
	(a) 10100100		(b) 00001001		(c) 11111110		

What are two ways of representing zero in 1's complement form?

Determine the 2's complement of each binary number using either method:

How is zero represented in 2's complement form?

Determine the 1's complement of binary number:

10101010

