Name:			Id#				
COE 202, Term 112 Digital Logic Design							
Quiz# 4							
Date: Saturday, April 7							
Q1.							
i. Determine the decimal value of the 8-bit binary number (11010100) when interpreted as:							
An unsigned number	A signed-magnitude number		A signed-1's complement number		A signed-2's complement number		
		y <u>using a total of 8 bits</u> in the following notations: 1's complement number A signed-2's complement number		ber			
represented in the	signed-2's compleme	ent notation. In indicate wheth	hmetic operations in binary usindicate clearly the carry values ner overflow occurred or not. b. 01000 - 10010	c. 1	_		
Overflow							

Occurred? (Yes/No)

Q2 . Design a combinational circuit that receives a 4-bit unsigned number $\mathbf{I} = \mathbf{I}_3 \mathbf{I}_2 \mathbf{I}_1 \mathbf{I}_0$ as input and generates the remainder of dividing this number by 3.