Daniel Delgado Acosta (SE 2130 2-13-22 HW 1 (2.8) a.) The largest positive 8-bit 2's complement code is; Binary: ((0)111111)2 Decimal: 127 b.) Binary: (1000000) 2 Decimal: [-128] C.) largest positive in n-bit 215; 2n-1-1 d.) grentest magnitude negative it n-bit 2's: 1-2" (2.10) b.) (0.101010 = 64 + 16 + 8 + 2 = 90)C.) 11111110 => 00000010 = 2 (2.11) a.) 102 = 0110 0110 d.) -128 = 1000 0000) express -64 as a 2' complement number: 1000000 a.) The minimum number of bits needed: b.) The Largest number with 7-6i+s: 0111111 = 32+16+8+9+2+1=637 Ci) The largest unsigned number with 7-bits: 1111112 64+63 = [127]

	a 12-0 14. CH 6-1
(2 23	Compute the following! (a) 0101 0111 OR 1101 0111 (101 0111)
(2.33)	A B
	THE SAME OF THE PARTY OF THE PA
	ONCIA, A SOSPINE
	f.) 0101 OR (1100 OR (101)
No.	1100 OR 1101 -> 1101 => 0101 OR 1101
	-> [10]
(23)	Write TEEE flooring point representation to the followings
Cas	(1) 3.75 Ot + 1.75 = 5 KZ = 1.00
	Usite FEEE flowing poiled representation to the followings 20.) 3.75 binary 011 + .75 binary x2=150 20 zeroes TFEE 010000000000000000000000000000000000
	23
	b_{i}) -55 $\frac{23}{64}$ = -55, 359, 55 => 0111
Control State of	0.857 = 3.0101
and the second s	ping (1.10111.0101)2
The second section (section) and the section (section) are section (section) and the	The second secon
Market & Market of a second	IEEE 10000100 10111010000000000000000000
decimando a contrator de	write He following IEEE flooring Portry mumbers into decimal:
(2.40	a. 0 10000000 00000000000000000000000000
	Positive exponent=128 decimal = (1. fraction) × 2 eng-12? Z
	decimal: 1+2
the same of the sa	MEELINGITE
	(a) 1 1000 coll 000 l o college
	6.) 1 1000 0011 000 1000 000 00 000 000 00
	negative exp=131 decimal=17
	decimal: [-17]
	are the same of th

	Fill in truth table; what single logic gate has the same trush
(3.15)	FUNE
5113	A B NOT(NOT(A) OR NOT(B))
	0 0 0
	0 1 0
	1 0 0
<1	use logic gate with some vesults: A AND B
210	mic togic gair or and
	Fill in the truth table for a two-input NOR gate.
(3.16)	
	A B A NOR B
	0 0 1
	0 1 0
	1 0
	Crèven de layir circuit in Figure 3.41, fill in the
(3.29)	Houth table for the output value 2
4.7	AB ACCARLOR OF THE CO
	A The same of the
	B
	(AB)(Borc) (AB)(Borc)
	0.000
	ABE AB