## COSC 2P12 Assignment

a) 100100100001110 base 2 to base 3 1001001000011102=(x21/4)+(1x21/4)+(1x21/4)+(1x21/4) =1870210

3	18702	rO	LSP
	2079	10	
	230	r2	
	-	12	
	176	72	
	125		
	18.	17	
	0	5	Imse
	10	1 -	VCI

1. 100100100001110,=2211222003

6) 0x C72, 6 to base 2

C16 + 716 + 216 C16 = 11002 716 = 011/ 216 = 0010

1.0x C72,6 = 1100011/00102

2. a) 145-129=16

positive sign 11 145

9870

Negotive sign	6) 129-145= 0129 +9855 14939	-16 9999 9989 0015 +1 0016	9999 - 145 - 145 - 1859 +1 - 1855	
010100=20	6)000111, -	001100, =000101 tiz =-5  is in 2's compliment  101011, =011011  -20 =+27 20	(den 0001	1 1 = -5
	$a_{1}$ $A = A + C(A' + A') + A + C(A' $	B) Absorption 1 BC Distribution 1 BC Distributive La Complement 1	an #11 on slides on #12 an slides aw in reverse #12 a w #6 on slides #14 an slides on #11 on slides	

6) (A+B)'(C+O+E)'+(A+B)'

= A'B'(C+O+E)'+(A+B)' Pernorgan's Law

= A'B'C'D'E'+(A+B)' Pernorgan's Law

- A'B'C'D'E'+A'B' Pernorgan's Law

Absorption Low #10 on Strokes 5. On logic circuit 0000 0001 1 1 1000 N 10 C \* Cheeks were placed to help with KMap drawing (disregard them) 0,0,1,0,0,1, 0010 0/1/1/0/1/1/0 100 14/1000/10/00/ 0101 0~0~0~0~0~0~0~0 1-10000011 1000 1001 1/1/1/1/0/0 XXXXXX AB'+A'C'



