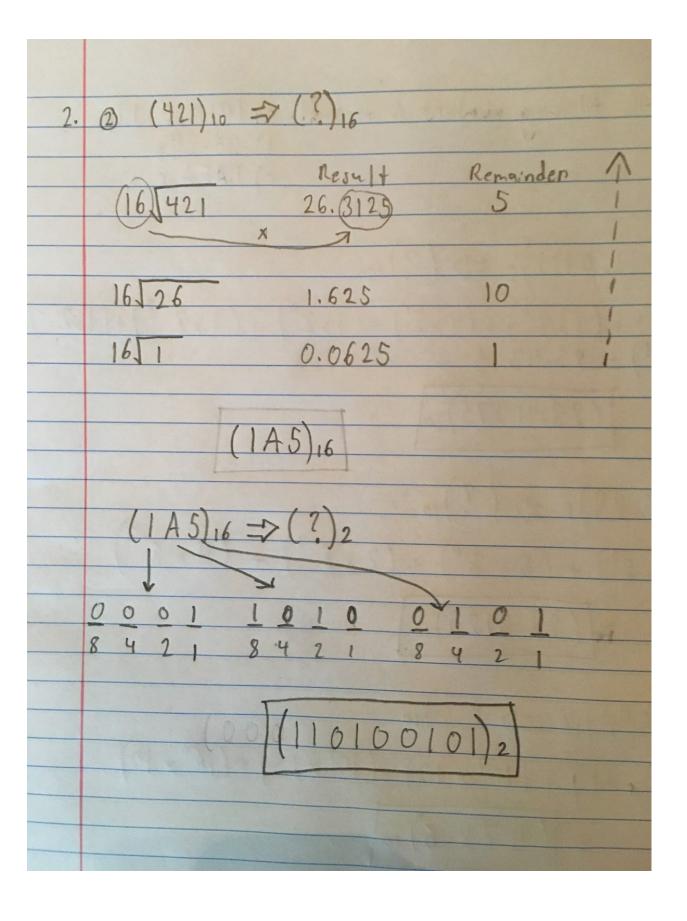


2.	Convert 42 convert to	I to bingry in the hexadecimal and t	hen to binary.	directly	to binary;
		⇒(?) <sub>2</sub>			
	25421	Result 210.5	Remainder	1	
	2/2/0	105	0	1	
	25105	52.5		1	
	2,52	26	D	V	
	2/26	13	0		
	2√13	6.5025			
	2√6	3	0	1	
	253	1.5	1	1	
	251	0.5		1	
	241	(110100			
- HQ1		(110100	101)2		
					0



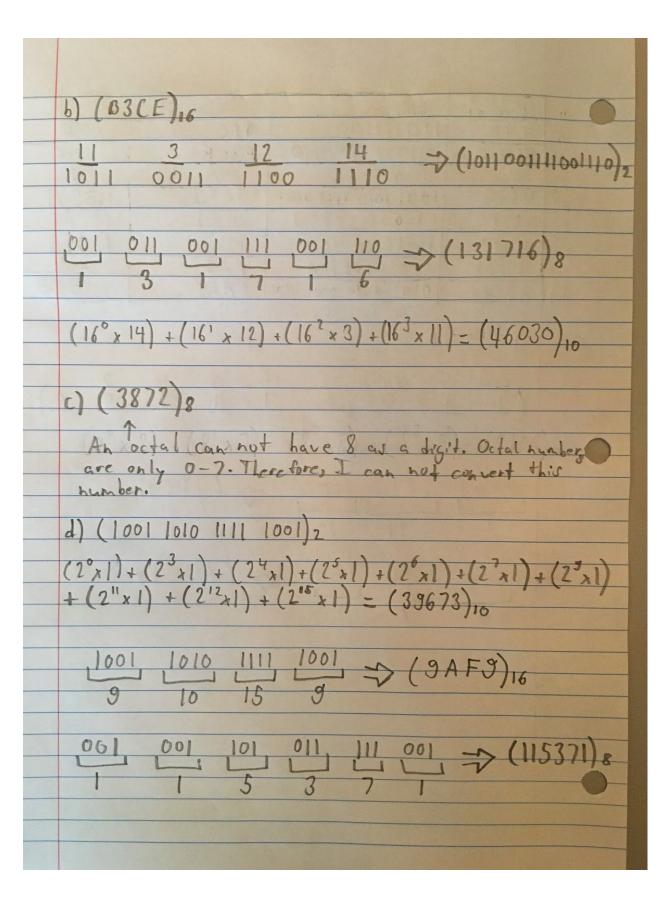
3.	Express the following numbers in decimal. 9) 10111.01112 b) 26.248
	c) BAFA16
3	$(2)(10111.0111)_2 \Rightarrow (?)_{10}$
	$(1x2^{4}) + (1x2^{2}) + (1x2^{1}) + (1x2^{0}) + (1x2^{-2}) + (1x2^{-3}) + (1x2^{-4}) = 23.4375$
	(23.4375)10
	b) (26.24)8 => (?)10
	$(2 \times 8') + (6 \times 8') + (2 \times 8'') + (4 \times 8^{-2})$
	= (22.3125)10
	c) (BAFA)16 => (?)10
	$(16^3 \times 11) + (16^2 \times 10) + (16^1 \times 15) + (16^0 \times 10)$
	= (47866)10

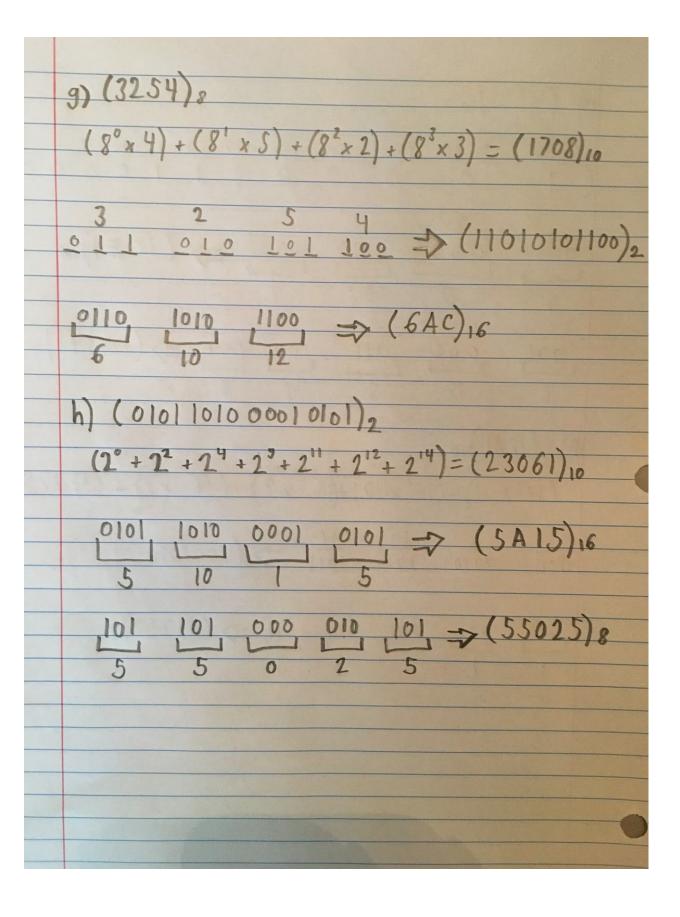
				1 1
4.	Convert the	following numbers	to binary: 9)28.	315 6) 2/3
	9) (28.315)			4 404 4
	, , , , ,			
	2 00	Result	Remain	der
	2/28	14	0	
	2574	3.5		
	253	1.5		
	251	0.5		
	1	11100	1- (30)	
	0.315 x 2 0.630	w, = 0		
	0.63	w2= 1		×
	× 2	W2-1	1000000	
	O. 26	w3=0		
	0.52	(11100.010)2		

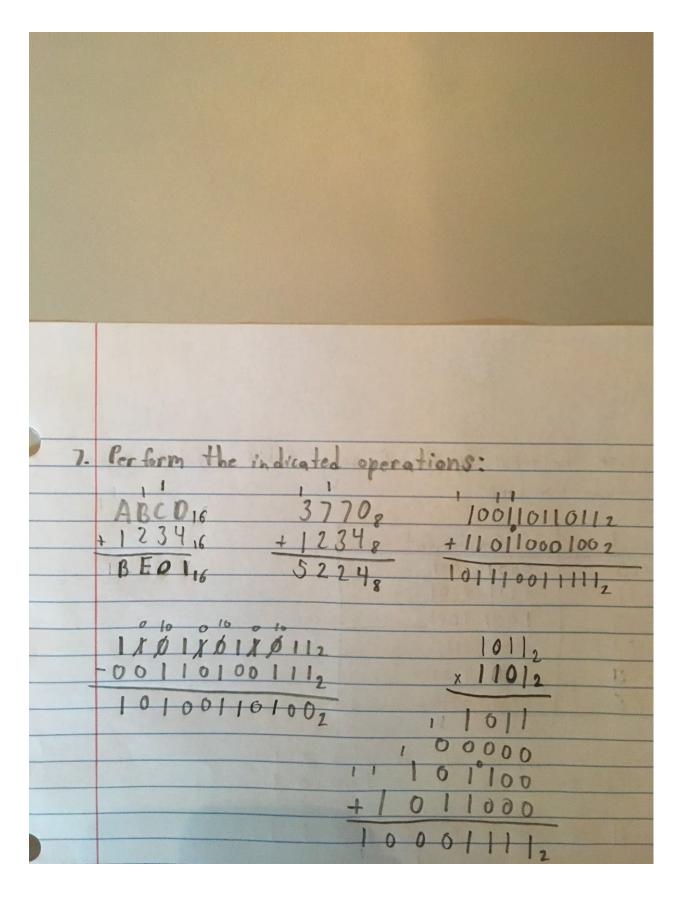
4.	b) (2/3)10 \$>(?)2
	0.667 x 2 wi=
	x 2 wi=
	1.334
	0.334 W2=0
	x 2
	0.668
	0.668 W3=1
	2
	1.336
	0.336 W4=0
	x 2
	0.672
	1/01010
	(0.1010)2

		(0-1)	I's complement	+D
5.	Original	1's Complement	2's Complement	
	10000011	01111100	01111101	,, ,,,,,,,
	00000000	1111111	100000000	+
	11011011	00100100	00100101	100000000
	01110110	10001001	10001010	
	10000101	01111010	01111011	
	liiiIIII	0000000	00000001	

6.	Decimal	Bingry	Hexadecinal	Octal	
(a)	444	110111100	IBC	674	
6)	46030	1011001111001110	B3CE	13/716	Jas
c)	MIA	N/A	N/A	3872	
4)	39673	1001 1010 1111 1001	9AF9	11537]	
e)	4321	1000011100001	IOEI	10341	-
4)	4778	1001010101011	12AB	11253	
9)	1708	11010101100	6AC	3254	
4)1	23061	0101 1010 0001 0101	5A15	55025	
	a) (444)		ESCHOOL DO		
	9) (771)	16			
	256 121	8 64 32 14	6 9 4	2 1	
	(1)	0 1	i i i	0 0)	
	1		THE TANK	12	
		A PROPERTY AND A SECOND	March Co. II.		
	0001	1011 1100	1100	Mark State	
	0001		=> (1BC)16		
		11 12	THE RESERVE		
	FIRE				
	110	111 100 -	7 (674)8		
	1				
	6	1 4			
	70-3-1				
	THE STATE OF THE S	Contract of			
	and the second	TO THE REAL PROPERTY.			
			The same of the sa		
			The state of the s		
			ALLE		

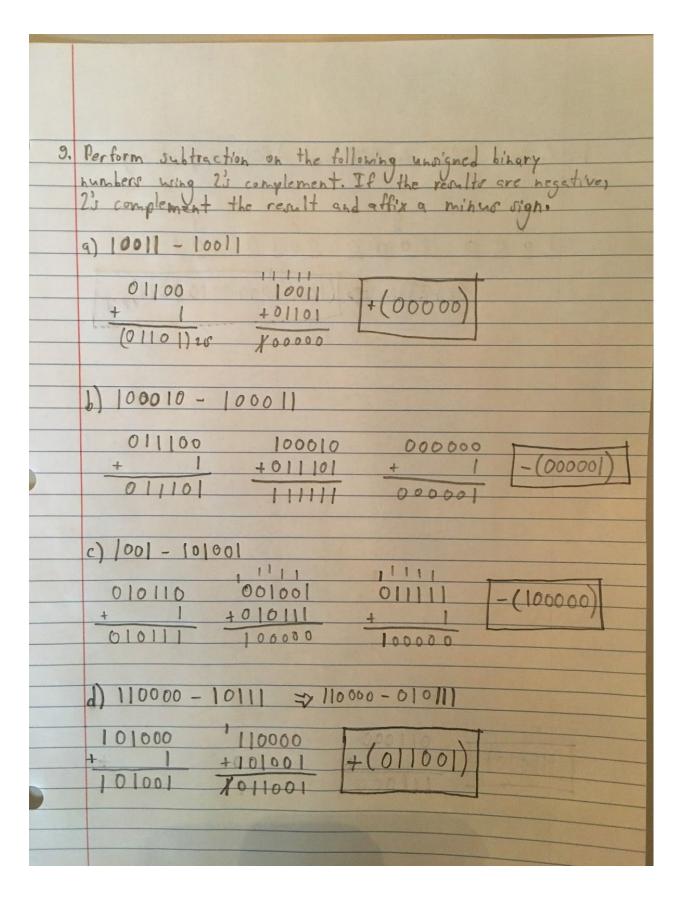






8.	Complete the table for the following 8-bit numbers stand
	Complete the table for the following 8-bit numbers signed
-	Decimal 2's Complement
9)	+25 0001 1001
d	-103 1001 1001
4)	-105 1001 0111
e)	-20 1110 1100
f)	86 0101 0110
	a) +25 => 0 0 0 1 1 0 0 1
	b)-11 => 00001011
	4
	(11110100)18
	(11110101)28
	0)-103=>01100111
	1
	(10011000)15
	(10011000113
	(10011001)28

d) (1001 011) 25
(1001,0110)15
(0110 1001)2
128 64 32 16 8 4 2 1 => 64+32+8+1= 105
(-105) <sub>10</sub> e) (1110 1188) <sub>25</sub>
(1110 1011)15
(00010100)2
128 64 32 16 8 4 2 1 - 16+4=20
(-20)10
f) (0101 0110)28
0 1 6 1 0 1 10 -> 64+16+4+2=86
(86)10



	1 1000 1 1000 1 1000
10.	Convert 8823 to BCD and ASCII, respectively
	0 0 2
	8 2 3
	8 2 3
	(0872) - (1000 1000 00 10 00 11)
	(8823)10 => (1000100000100011) BCD
	the party of the second of the