```
Comp Arch HW3
1. 91,0 + C611
91_{10} \Rightarrow 2\sqrt{91} 2\sqrt{45} 2\sqrt{22} 2\sqrt{11} 2\sqrt{5} 2\sqrt{2} 2\sqrt{1}
 9/10 = 10/10/12
 Cb16 => 1100 01102
 + 110001102
12^{8} + 2^{5} + 2^{\circ} = 256 + 32 + 1 = 289_{10}
2. 118 - 1110
118 > 001 0012 > 010012 (-910)
1110 > 10112 > 010112 (=1110)
 A-B = A+B+1
-1110 = 10100+ 00001 = 101012
 A-B= 010012
        + 101012 take

111102 => 2's complement b/c result is neg
          00001
         + 00001
           00010 > -210
```

V 28. 4 E4.	
W 26 - CE W	
va les	
V. 10 (4.01)	
PXE_EV_	
1 12 = 1/100	
A. I. Carlotte and Control of the Co	
0.5000	12-
0.2500	Seedless
0.0625	
08125	
2. 16 - 11.	
	N. A.
1 1 V is 8 1 9 1 1	1
3	
FA: TETO	
	-
7 E A	
+	
7 -11	
0.250	See al El Ali
0,3+5	
	0.5000 0.2500 0.0625 0.8125

St. Jan St.

```
5. 910 · 310
                       1001
  910 > 100/10
                     × 0011
                  1001
  310 => 001110
                    1001
                000110112
          24+23+21+20
          = 16 + 8 + 2 + 1
      = 27,0
 6. (-5)10 - (-6)16
   5_{10} = 0|0|_2 \implies -5_{10} = |0||
   610 = 01102 => -616 = 1010
   1011 I4
 1010 TH
0000000
1110110
00000000
                          25, col of 7.0.
               -> 2's comp
                  00110001 41
                 00 11 00 10
               = 25+24+21
               = 32 + 16 + 2
               = 48+2
              =50 => ?
```

	7. 9.5,0 + 2.625,0		T. J. E. F. M.	5.
	1001 100 • 00	010 101 I4	03	
	1001100	1.037		
	0010101	7.15		
	, 1001 100	Fit II B I I D A		
	1000000	2,55	1527	
	1001100	2-4	+ B + 3/1 = 1	
(000000		0.5000	
10	01100		0.2500	
	006111100		0.1250	S
	0011000 111100 -	1806	0.0625	
	+23+2-1+2-2+2-3+	11-41= 013-6	0,9375	
4	12 +2 +2 +2 +	E 10010E	= 20110 = sit	
- 11	+8+0.5+0.25+0-12	3 + 0,06 L3		
=	24.93 +510		Medical State	
			0000	666
	8. (-1.25)10 . 3.510	204102 - J	5110	
	1.25, = 001 01 T	0 3.5	10 = 01110 J302	010
	1.25 = 11011 T302		2342	
		+ LOOD ILAB	C 11.1	- 1 '
11.52	11011 I3	92 100 11 00		
	111 × 01110 I31	Q2	-16.47 17	
	000000000	3 (4)(4)		0.250
	111111011	V + K)		0.125
	1111011	5 6 0		0-375
	1111011		-(2+2-+2-	3)
(101110111010 16	QH C	$-(2^{2}+2^{-2}+2^{-1})$	
100	111 011 1010		[0]	
	L> 2's comp			
	> 000100	0101+1		
		- 1 - 1 T 1		

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