Practice problems

1.) ABC16 - -2, -8, -10

2.) 7658 + -2, -10, -16

3) 11011002 - - 8, -10, -16

4.) 85,0 - -2, -8, -16

5) 76210 - 2, -8, -16

1) ABC 16 - - 2?

=1010 1011 11002

1010, 1011 11002 -> ?

= 52748

52748 - 10?

52748 = 5×83+2×82+7×8+4+8° = 2500 + 128; + 56 + 40

= 2748

2) 76587 -2?

= 1111101012

11111010127-16?

= 1 P516

1F516 - -10?

1F516 = 1x162 + F(15) x16 + 5x16

= 25610 + 24016 + 510

= 501 in

3) 011011002 -16?

= (e C_{1b}

11011002 + - x?

= 154₈ 154₈ → -10?

1548 = 1 x 82 + 5 x 8 + 4 x 80

= Q4,0 + 40,0 + 410

= 10810

4) 8510 - 16? = 5516 16/85/10 16/5/10

5516 7 -2

= 0101 01012

0101010127-8?

= 1258

5) 762107 - 16?

2 FA16 16-76210 16-32

112

2FA16 -> ?

= 0010 1111 10102

001011111010, > _ 8?

= 1372

Lab 3/2: 16/127₁₆ 16/15 112 10 15 15 1 1.) 12710 - 16 ? = 7 × 16' + F × 16° = 7F,6 7F16 7 _ 2? 4.) AB16 > _ ?? = 0111 11112 011111112 - 8? 2 1010 10112 = 1778 101010112 - 8? 2538 7 10? 2.) | 01012 - 16? 2 1516 2538 = 2x82 + 5x8 + 3x80 10101 - 8? = 128 + 40, + 3 10 = 258 = 17110 2587 -107 = 2x8' + 5x8° = 16, +58 = 218 3.) 718 -> 2? = 111 001, 1110012 - 16? 2 3 916 39167 -16? 3962 3×16 + 9×16° = 4810 + 910 z 5710