1.6.26

a) $5A_{16} - 3E_{16}$

5 A $-$ $3\,E$

0101   1010   0011 1110

$5A_{16} = 0101\,1010_2$

$3E = 0011\,1110_2$

       0011110

       11000001

            +1

       11000010

    1 0 1011010
+ 1 1000010
* 0001 1100
        1   C

$5A_{16} - 3E_{16} = 1C_{16}$

b) $64_8 - 32_8$

6 4 $-$ $3\,2$

110   100   011 010

$64_8 = 110100$

$32_8 = 011010$

    011010   110 100
    100101   + 100 110
       +1   * 011 010
    100110   3   2

$64_8 - 32_8 = 32_8$

c) $75_{16} - 51_{16}$

7 5 $-$ $5\,1$ 0101 0001

0111 0101   0101 0001   1010 1110

                   +1

$75_{16} - 51_{16} = 24_{16}$

    01110101   10101111
+ 10101111
* 0010 0100
     2   4