```
, Exercise TM
     1000 0000 S/M = -0
     1000 0000 Is'C, invert signal: 0111 1111 = + 127
               50 1000 0000 Wes - 127
     1000 0000 =-1×2 7+ 0×26 = -128
 C
 d
                S/M -> 0000 0000
    10000000
                 15C -> 0111 1111
                 2's C -> not possible!!
                                    - 234 110)
2)
       + 234 (10)
                                     not possible
  unsgn. 000 0000 111 01010
N S/M 0000 0000 1110 1010
215'C 0000 0000 1110 1010
                               11000 0000 1110 1000
                               1111 1111 0001 0101
  2'SC 0000 0000 11101010
                               1111 1111 00010110
                                    not possible
o uhsign.
              D E
S/M O O
                 E
   1s'C O U E A
                E
   25'(
       O
3) ASCIT: 1/3=65, 8'=66, a'= 97 C'=67
          'a'-'B'+'E'=
                    97 -66 + 67 = 98 = 'b'.
4) 9 120 = 64 + 32 + 16 + 8 = 0111 1000
   -170 (2'sC) =
                         1000 1000
                  = 0001 0111 +
    23 = 16+4+2+1
                         1001 1111
                      = -178 + 16 + 8 + 6 + 2 + 1 = -97
      +6 = 0110
  6
                (isic)
      -6 = 1001
```

1 = 0001 +

6)
$$5444$$
 base 6 S/M

$$= -\left[4\times6^2 + 4\times6 + 4\right) = -172(10)$$

$$0444(6) = +172(10)$$

$$55'-comp! : 5111(6) = -172(10)$$

$$6's comp! : 5112(6) = -17210)$$

$$123(5) = (x 5^{2} + 2x 5 + 3)$$

$$= 41(6) + 14(6) + 3(6)$$
from

MUL TABLE