## Comparch HW3

1. 91 10 + C6 16 Vinsigned 9 bit
256 128 64 32 16 8 4 2 1 INTEGER

26 7 26 25 24 23 22 22 22

0 0 1 0 1 1 0 1 1 2

0 1 1 0 0 0 1 1 0 2

1 0 0 1 0 0 0 0 1 12 = [289 10]

2.118 -11 10 signed, 4bit integer

4. 5.75,6 - 7.125,0 13Q3

1.01.1102 0.00.1102 0.00.1012 0.00.1012

5. 9 10 3 10 U4 × V2 = 10012 x 0 0 1 1 2 VMt5 10012 = 270 6 -510 .-610 = 510.610 510 = 01012 U4XU4 6,0=01102 0000 Unto 1010 0111102 = 3010 7. 9.5, 2.625, 1001.10002 V4Q4 fixed 0010.10102 V484 1001116002 160110 GOXXX 10011000 XXXX2 11000.1111000 8.  $\frac{-1.25100}{3.510}$  | 3.510 | 3.510 = 11.102 | 1202 fixed = -(125)10/(3.5)10) | -1.2510 = 10.112 | 2.62 fixed product: 1404 (1)U) 1011x (1)1011xx (1)1011xx2 1011××× 10-11.10102=1-4.375,0 =1011.10102