Comp Arch HW3

1) 91:0 + C6:6 01011011 + 11000110 01011011 Floating + 11000110 Unsigned 10010001

2) 118 -110 001001 - 001011 001001 + (-601011) 001001 Floating 110101 = igned

3) D.312510+ 01101202

4) 5.75.0 - 7.125.0 0101.110 - 0111,001 0101.110 + 1000.111 & 0101.110 F 1000.111 Si 1110.101 -1.375.6

Fixed Signed

5) .9101316 01001 00011 00001 Floating 010010 Unsigned 6) 510 · -616
1011 1010
1011 × 1010
000 00 00 00
111 10 11 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × ×
10 1 1 × × × ×
10 1 1 × × × ×
10 1 1 × × × ×
10 1 1 × × × ×
10 1 1 × × × ×
10 1 1 × × × ×
10 1 1 × × × ×

Floating Signed

7) 9.5,0 . 2.625,0 1001.12401 110, 10/ T2Q3 110011 Fixed 00000 Unsigned 10011 00000 100111 011000;1111 ±604 16+8 +,9375 ±604 24,9375,0)

8) -1,25,0 · 3,5,0 1610.11 14a, 0011.1 I4a, 1110111 Fixed Signed 1,1100 111100 1 1110111x MIONIXX 11011.10 1I +Q3 -4,375,0