6 6) (0/10/ (2c) => 1110 110/ (u) 7. (9) 11.625 2/11 = 1011 7010 Perform sign extension 25 H7 Hod Cimplied) to 8-64. 2Llro/up. = 1.817.1013 1110 1101 (20). 0.625 # 2 = 1.251 = 0001 0010. Flip the bits. 0.25 \$2 = 0.5 / Freetien 0.5 \$2=1-0 |0. = 000+ 0011. Add 1. = 1.0111010 XZ. 0.0 # 1 = 0.01 = 23+0+0+2+2°= 16+2+1=191. E= 127+3-130=1000 010027 1135 => 1910. Prepad negative sign. Sign = 0. Fraction = 011 1010 0000 0000 0000 0000 Verify: -1910 to 20. 130,0 to bray: 1910 => 0001 0011 119 - 1110 1100 - Flip the sign. 2 32 +1 2116 re = 1110 1101. Add 1.V (b) 110 1101(20) => 1110 1101(00). Extend sign. = 1000 0010 1110 1101 (21) = 0001 0010. Flip the bits. Sign Exponent' Fraction. CIEEE-75%. = 0001 0011 - Add 1. Divide into nibbbs to correct to hex: = 1x24+ 0x23+0x22+ 1\*21+1\*2 = 16 + 0+0 +2 +1 = 19. 6100 0001 0011 1010 0000 0000 0000 => -19 w Prepard negative sign. = 4 1 3 A 0 0 0 0 \* Leading 1's of a 2's complement = 0 × 413A0000 (16). binary number are tedundant; multiple MSBs are often used to represent He sign after sign extension.

