```
MIPS Floating Point Quiz

5.75 = [101.11, ]

22+20+21+2-2
                                        Caitlin Ton
              4+11 = + =
                5.75
      63/64 =
       164 = 1.000.000
126:64
       -164 0.000001
        = [0.114 111 ]
      9.8125 = 1001 + ...
      0.8125 ×2 : 1.625
                                         . 0.5
        0.625 × 2 = 1.25
                                           0.25
         0.25 ×2 = 0.5
                                          0.125
                                   0
         0.5 × 2 = 1
                                            .0625
        1001.1101
      34.890625 = 100010 + ...
      0.890625 ×2 = 1.78125
      0.78125:2 = 1.5625
      0.5625 ×2 = 1.125
      0.125 \times 2 = 0.25

0.25 \times 2 = 0.5
      0.25
      0.5 ×2 = 1
      100010.111001 = 1.00010111001 × 25
```

5+127 = 132 = 10000100 0 10000100 000101110010000...
sign exp mantissa Loo's 0 01111011 (43) 11 5 11 2 1 exp = 123 123-127=-4 1.0 × 2 - 4 bxz 0.0001 bace, 0 (0.0001,0) 11661.11511 4. A denormalized number is a number where the exponent is smellest 0. 60001 0000000000 mantissa largest 0 11110