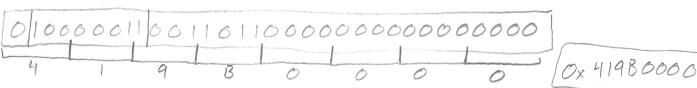
Name Isuael Costez

Please use pencil and erase mistakes. No books, notes or electronic devices. Put a box around your answers so I can see them separately from your scratch work. 10 points.

Convert 73.5625 decimal to binary. Do not convert to IEEE 754 format, just make a fixed point binary number with whole and fractional parts. (2 points)

01661601.1001

Convert 19.375 to IEEE 754 single-precision floating point format. Write this in hexadecimal.



Convert 0x47000000 from IEEE 754 floating point format to decimal. (4 points)

$$2^{8} \cdot 2^{7} = \frac{1256}{128}$$
 $\frac{2048}{25600}$
 $\frac{25600}{32.768}$