3.7

Neither.

3.20

12*16^6=201,326,592

3.26

$-1.5625 * 10^{-1} = -0.101 * 2^{-2}$

1111 1111 1110 1011 0000 0000 0000 0000 0000

3.27

$-1.5625 * 10^{-1} = -0.15625 * 10^{0} = -0.00101 * 2^{0} = -1.01 * 2^{-3}$

1011 0001 0000 0000

3.32

$(3.984375 \times 10^{-1} + 3.4375 \times 10^{-1}) + 1.771 \times 10^{3}$

$1.100100000 \times 2^{-2} + 1.011000000 \times 2^{-2} \quad 1.1011101011 \times 2^{10}$

$$\begin{array}{l} 1.100100000 \times 2^{-2} \\ +\ 1.011000000 \times 2^{-2} \\ \hline 10.111100000 \times 2^{-2} \end{array}$$

$$\begin{array}{l} 1.101101011 \\ +\ 0.000000000010111100000 \quad \text{guard}=1,\ \text{round}=0,\ \text{sticky}=1 \\ \hline 1.101101011101 \quad \text{round up} \end{array}$$

$= 1.101101100 \times 2^{10} = 0110\ 1010\ 1110\ 1100$