Part 1.)

7.5×16=12.0

9.)5.75₁₀

$$5=101_2=5_{16}=5_8$$
 $75=101_1=6_8$
 $5.75_{10}=5.0_{16}=5.6_8=101.11_2$

b. 0.9_{10}
 $0=0_{16}=0=0$
 $0=0_{16}=0=0$
 $0.09\times16=14.4$
 $0.9_{10}=0.E6_{16}=.11100100$
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Daniel Baca, CIS-17A

2.8×16=12.8

$$\frac{0100 \ 0010}{4} \frac{|1.100 \ 0111}{C} \frac{|0110 \ 0110}{6} \frac{|010 \ 0100}{6} \frac{|010 \ 0100}{6} \frac{|010 \ 0100}{6}$$

$$\frac{127 + 6 = 133}{6} \frac{133}{10} = 10000 0101_{2}$$

$$\frac{128}{5}$$

$$\frac{5}{133}_{10} = 42076666 \text{ LEEE 754 formal}$$