CIOLTEA MIHAI ROBERT

TEMA AC

a)
$$119,345(10) = 119(10) + 0,345(10)$$
 $119:2=59 \text{ h} \text{ A}$
 $0,345\cdot 2 = 0,69$
 $59:2=29 \text{ h} \text{ A}$
 $0,69\cdot 2 = 1,38$
 $59:2=14 \text{ h} \text{ A}$
 $0,38\cdot 2 = 0,46$
 $29:2=14 \text{ h} \text{ A}$
 $0,38\cdot 2 = 0,46$
 $29:2=3 \text{ h} \text{ A}$
 $0,52\cdot 2 = 1,039$
 $4:2=3 \text{ h} \text{ A}$
 $0,52\cdot 2 = 1,039$
 $4:2=3 \text{ h} \text{ A}$
 $0,03\cdot 2 = 0,049$
 $3:2=4 \text{ h} \text{ A}$
 $0,045\cdot 2 = 0,16$
 $1:2=0 \text{ h} \text{ A}$
 $0,16\cdot 2 = 0,319$
 $0,319\cdot 2 = 1,0248$
 $0,639\cdot 2 = 1,0248$
 $0,69\cdot 2 = 1,039$
 $0,110\cdot 2 = 1,03$

8)
$$200,08(10) = 200(10) + 0,08(10)$$
 $200:2 = 100 + 0$
 $100:2 = 50 + 0$
 $50:2 = 25 + 0$
 $100:2 = 12 + 1$
 $100:2 = 6 + 0$
 $12:2 = 6 + 0$
 $12:2 = 0,48$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$
 $1:2 = 0 + 1$

1:2= 0 h 1

0.932.2=1,864 0,864.2=1,428 0,428.2= 1,456 0,456.2=0,912 0,912.2=1,824 0,824. 2= 1,698 0,648.2= 1,296 0,296. 2=0,592 0,592.2=1,184 0,184.2=0,368 =) (08.932(10) = 1101100. (110111010(2) 00/10/100. 1110/10/(2) = 154. 735/8) 01101100. 11101110(2) = 6C. EE(16) d) 245. 115(10) = 245(10) + 0. 115(10) 0.115.2=0.23 245:2=122 51 0.23.2=0.46 0.46.2=0.92 121:2=61 40

0.46.2 = 0.92 0.92.2 = 1.84 0.92.2 = 1.84 0.84.2 = 1.68 0.88.2 = 1.68 0.68.2 = 1.36 0.36.2 = 0.42 0.42.2 = 1.44 0.44.2 = 0.88 0.44.2 = 0.88

=)245. 115/10) = ** 11110101.0001110101(2) $011 \ 1000 \ 111 \ 010 \ (2) = 365.072(8)$ IIII 0101.0001 1101 (2)= F5.11)(16) e) 406.422 (10) = 406(10) + 0.422(10) 0.422.2=0,894 0.844.2=1.688 406:2= 203 ho 0.688.2= 1.376 203: 2= 101 /1 0.346.2=0.452 101:2=50 Hl 0.452.2= 1.504 50: L= 25 ho 0.504.2= 1.007 25:2= 11 h 1 0.004-2=0.015 12:2=6 40 0.015.2=0.030 6: L= 3 ho 3: L= 1 h 1 0.30.2=0.06 0.06.2=0.12 1:2=0 41 =) 406.422(10) = 1100 10,110,0110(10000(2) $\underbrace{1000010}_{6} \underbrace{10}_{2} \underbrace{010}_{6} \underbrace{011}_{3} \underbrace{000(2)}_{0} = 626.330(8)$ 1 1001 0110.01100(2) = 196.60 (16)