Problem Sets

Group 5
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BSCS 4-4

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Problem sets
II. 18,31E" × 2.5E -2
     4.5775 × 10 5
 Solution; 18,31 x 10 6
        2.1.45E^{-5} + 0.00502
       5,0345 x 10 -3
 Solution: 1,45 x 10 -5
       +502.0 \times 10^{-5}
       503.45 x 10<sup>-5</sup>
5.0345 x 10<sup>-3</sup>
3. 3.1415E2/2.001E2
      1,569965017 x 10
  Solution: 3.1415 \times 10^2
       = 2.001 x 10<sup>2</sup>
         1.569965017 × 10 (2-2)
4. 10,18E 7 - 2,12E 4
     L, 1,017788 x 10 8
Solution: 10.18 x 10 7-2 7 1018.0 x 10 5
        - 2.12 × 10 4+1 

- 2.12 × 10 4+1 

- 0.212 × 10 5

- 1.017788 × 10 8
5, 331E -2 × 19,93E -3 → 6.59683 × 10-2
solution; 331 × 10<sup>-2</sup>
    (1596,83 × 10 (-2+(-3))
(1596,83 × 10 -5
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, 6.59683 x 10-2

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II. 313 → 100111001 → 1,00111001 x 2
    Solution: 313-2 = 156.5
             156 -2 = 78
             78 - 2 = 39 0
              39 -2 = 19,5
              19 -2 = 9,5
               9-9 = 4.5
                4 - 2 = 2
                2 \div 2 = 1
                1-7 = 0.0
  1. 1000.75 → 1111101000, 11 → 1. 11110100011 x 27
   Solution .
                        0.75 × 2 = 1.50
    1000-2 = 500 0
                        0.50 x 2 = 1.00
    500 ÷ 2 = 250 0
    250 ÷ 2 = 125 0
   125 - 2 = 12.5 1
   62:2=31
    31 - 2 - 15.5
    15-2=7.5 1
    7:2:3.5
    3-2=1,5 1
    1:2 = 0.5
   3. 0.5625 → 1001 → 1.001 × 2<sup>-1</sup>
    Solution; 0.5625 \times 2 = 1.1250
            0.1250 \times 2 = 0.2500
            b. 2500 x 2 = 0.5000
            0.5000 x 2 = 61,0000
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4. 115.125 - 1110011.001 - 1, 110011001 x 2

Solution:

 $0.125 \times 2 = 0.250$ $0.250 \times 2 = 0.00$

0.500 x 2 = 1.000

5. $55,1 \rightarrow 110111.0001100110... \rightarrow 1.101110001100110... \times 2^{5}$ Solution:

$$55 \div 2 = 27.5$$
 $27 \div 2 = 13.5$
 $13 \div 2 = 6.5$
 $4 \div 2 = 3$
 $3 \div 2 = 1.5$
 $1 \div 2 = 0.5$

 $0.1 \times 2 = 0.2$ $0.2 \times 2 = 0.4$ $0.4 \times 2 = 0.4$ $0.4 \times 2 = 1.2$ $0.4 \times 2 = 0.4$ $0.6 \times 2 = 0.4$ $0.6 \times 2 = 0.4$