(1,2); (3,10); (5,1) g= ax2+ 8x+e 25c +56+0 208 +240-49 (1=25a+58+2-8-8 (1=25a+56+C (1=50-258 8a+28=8 240+48=-1 8=4-4a => 24a + 16-16a =-1 Q = -2,125 C=2+2,125-12,5=-8,375 => OTDET: y=-2,125x2+12,5x-8,375 (2) Dano: 1 cnyran 2 cayran Xxz - Odusum Sec 98% - H20 = 0,98x 99%-H2D=99k2. Сухой вее опрусов не изменен и рабен также Ікг. 100-99 = 1 (kz) - orypyco -> Coetabrem yp-e: X=0,98x+1. y - 0.98x = 10,02x = 1Orber: x = 50 (kz) (3) 1) 2x = 256 => X=8 2) 2 = 300 => x = log\_300 3)  $\log_8 2^{8x-4} = 4 = 28x-4 = 8^4$ ;  $2^{8x-4} = (2^3)^4$ ;  $2^{8x-4} = 2^{12}$ ; 8x = 16; x = 24)  $3 \log_9(5x-5) = 5 |_{^{2}} = 5 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} = 25 |_{^{2}} =$ 2 log3 X = -2 LX = \frac{1}{9}

4)6 
$$\log_4 16 = \log_4 4^2 = 2$$

7)  $\log_5 \frac{1}{25} = \log_5 5^2 = -2$ 

8)  $\log_{25} 5 = \log_{32} 5^1 = \frac{1}{2} \log_5 5 = 0,5$ 

9)  $\log_{3} \sqrt{27} = \log_{3} \sqrt{33} = \log_{3} \frac{3^{\frac{1}{2}}}{3} = 1,5$ 

10)  $\log_{2} 12 - \log_{2} 3 = \log_{2} \frac{12}{3} = \log_{2} 2^{\frac{1}{2}} = 2$ 

11)  $\log_{6} 12 + \log_{6} 3 = \log_{6} 12.3 = \log_{6} 6^2 = 2$ 

12)  $e^{\log_{2} 225} = \log_{5} 5$ 

13)  $\frac{\log_{3} 225}{\log_{2} 15} = \log_{5} 225 = \log_{5} 15^{\frac{1}{2}} = 2$ 

14)  $\log_{4} 32 + \log_{6} 10 = \log_{4} 4 + \log_{4} 8 + \log_{10} 10 = 1 + 1 + \frac{1}{2} - 1 = 1,5$ 

15)  $g^{\log_{3} \sqrt{5}} = 3^{2\log_{3} \sqrt{5}} = 3 \log_{3} (\sqrt{5})^{\frac{1}{2}} = 5$