Задания 1:  $ax^n + bx + c = y$ (1,2) (9,10) (5,1) (a+b+c=2(a+6+c=2 Sa+ 6+ C= 2  $9\alpha + 3\beta + C = 10$ { 8a+2b = 8 8a + 2b = 8650+5B+c=1 1244+46 = -1 L 8a = 3 -17  $(\alpha = -(2 + \frac{1}{8}) = -2,125$  $16 = \frac{(+8\cdot(-2,125))}{2} = \frac{(+17)}{2} = \frac{(+17)}{2}$ C=2+2,125-12,5=2-10,375=-8,375 other: -2,125 x + 12,5 x - 8,375 = 9 3 aganue 1: 5× +99 = 100 (X=1  $\begin{cases} x=1 \\ g=50 \end{cases}$ ( y = x + 0,98 y { 0,02g = 1 OTBET: 50 KZ Задание 3:  $1 + 2 \times = 256$ , X = 82) 2 × = 300 X = log<sub>2</sub> 300 = log<sub>1</sub> 4 + log<sub>2</sub> 3 + log<sub>1</sub> 25 = 2+ log<sub>2</sub> 75 3) log<sub>8</sub> 2 \*\*- 4 = 4 = 1 log<sub>2</sub> 2 \*\*- 4  $\frac{6x-9}{3}=9$ ,  $\frac{2x-1}{3}=1$ , 2x-1=3, [x=2]

9) 5 (09 + (53-5) = 5 3693152-51.5=5 x 71 (5x-5) = 5 52-5=25 x - 1 = 5 5) X ( 0 / 5 X + 1 = 9 X70, log3X > -1 3 legs X legs XH  $5^{(\log_3 x + 1)\log_3 x} = 9$ (logs x + 1)logg x = 28= 1+8=9  $leg_{3}^{2}x + leg_{3}x - 2 = 0$  $log_{3}x = -\frac{1 \pm 3}{2}$ log, x = 1 logx = -2 X= 1 - He 6 023 X=5

OTBET: X= 3

$$|1|) log_6 12 + log_6 3 = log_6 36 = 2$$

$$|2|) els 5 = -$$

$$19) \log_{1}32 + \log_{1,1}10 = \frac{\log_{1}32}{2} + \frac{\log_{10}10}{2} = \frac{5}{2} - \frac{1}{2} = 2$$

$$= \log_{1}3 \log_{1}5 = \frac{1}{2} = \frac{1}{2} = \frac{1}{2} = 2$$

$$\frac{\log_{10} 10}{-2} = \frac{5}{2} - \frac{1}{2} = 2$$