9 log 4 16 = 2
4) log 5
$$\frac{1}{2}5 = -2$$

8) log 5 5 = $\frac{1}{2}$
9) log 3 $\sqrt{27}$ = log 3 $\frac{3}{2}$ = $\frac{3}{2}$ log 3 = $\frac{3}{2}$
10) log 5 12 - log 2 3 = log 2 $\frac{12}{3}$ = log 2 $\frac{1}{3}$ = log 6 (12.3) = log 6 36 = 2
11) log 6 12 + log 3 = log 6 (12.3) = log 6 36 = 2
12) e log 5 = 5
13) log 225 = log 215 = 2 log 215 = 2
log 215 = log 215 = 2 log 215 = 2
14) log 4 32 + log 0,1 10 = $\frac{5}{2}$ log 2 4 1 log 10 10

14) left,
$$32 + left_{011} 10 = \frac{5}{2} left_{2}^{2} + 1 - left_{10}^{10} \Rightarrow$$

$$\Rightarrow \frac{5}{2} - 1 = \frac{3}{2}$$
(5) $9^{40+3\sqrt{5}} = 3^{2} left_{3}^{5} = 3^{2} \frac{1}{2} legt_{3}^{5} = \frac{5}{2}$

Sefare (2)) 100 kg - 100% -> X = 1m - bec Xm - 1% cyxoro benjemba 2) 1h - 2% = 100.1 = Sour (3) 1) $2^{x} = 256 \implies x = log_2 256 = 9$ 2) $2^{\times} = 300 \Rightarrow \times = \frac{1012300}{3}$ 3) lots $2^{(8\times -4)} = 4 \Rightarrow \frac{1}{3} \log_{12} 2^{(8\times -4)} = 4 \Rightarrow$ => 8x-4 = 4 => x=2 @ 3 lotg (5x-5) = 5 $3 \log(32)(5x-5) = 5 \Rightarrow 3 \pm \log 3(5x-5)$ => 3 log 3 (5x -5) 1/2 == 5 => (5x -5) 1/2 = 5 5x-5=25 X=6 6) x lof 3 x+1 = 9 lof 3 (x(log 3 x +1) = lof 3 9 lays x=t dof3 x = -2 x= 19] (log 3 x +1). hof 3 x = 2 lof 3 x = 1 (Other: \$13) = 3 t2+t-2=0=> t1=2 t2=1

J. Spekinie naturalin

$$y = ao^{2} + 8x + c$$

$$\begin{cases}
25a + 5l + c = 10 \\
a + l + c = 10
\end{cases}$$

$$a + l + c = 1$$

$$a + l$$