3aformule 
$$\lambda$$
2

(1)  $y = \alpha x^2 + bx + c$  -yporkulue (1;2), (3;10), (5,1)

 $\begin{cases} \alpha + b + c = 260 \\ 9\alpha + 3b + c = 1000 \end{cases}$   $\begin{cases} 9a + 9b + 9c = 18 \\ 9\alpha + 3b + c = 1000 \end{cases}$   $\begin{cases} 9a + 9b + 9c = 18 \\ 25\alpha + 5b + c = 100 \end{cases}$   $\begin{cases} 9a + 9b + 9c = 18 \\ 25\alpha + 5b + c = 100 \end{cases}$   $\begin{cases} 9a + 9b + 9c = 18 \\ 25\alpha + 25c = 50 \end{cases}$  (5)

(4-2)  $\begin{cases} b + 3c = 8 \\ 25\alpha + 25c = 25 \end{cases}$   $\begin{cases} 18b + 24c = 24 \\ 26 = 25 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$   $\begin{cases} 26 = 25 \\ 6 = 175 \end{cases}$ 

$$\frac{99}{100} \cdot 100 + X = 100 \quad X = 1$$

$$\frac{98}{100} \cdot 4 + X = 4$$
Orber: 50

 $(3)_{1}, 2^{\times} = 256 = 2^{8} \implies (x=8)$   $2) 2^{\times} = 300 \implies \log_{2} 2^{\times} = \log_{2} 300 = \log_{2} 2^{2.95}$  $(x = 2 + \log_{2} 2^{5})$ 

4) 
$$3^{\log_9(5x-5)} = 5 \Rightarrow (5x-5)^{\log_9 3} \Rightarrow (5x-5)^{1/2} = 5$$

5x - 5 = 25 (x=6)

3) 
$$\log_{3} 2^{3x-4} = 4 \implies \log_{2} 3^{2} = 4 \implies \frac{1}{3} (3x-4) = 4$$

$$\sum_{x \in \mathcal{S}_3(x+1)} x \log_3(x+1) = g$$

$$\log_3(x+1) = \log_x g = \frac{\log_3 x}{\log_3 g} = \frac{\log_3 x}{2}$$

$$(x+1)^2 = x$$

$$x^2 + x + 1 = 0$$

$$\text{peuseum up net} \quad \text{ for } 2 < 0$$

(4) 6) 
$$t = \log_4 16 = \log_4 4^2 = 2$$
  
7)  $\log_5 \frac{1}{25} = \log_5 (\frac{1}{5} \cdot \frac{1}{5}) = -1 + -1 = -2$   
8)  $\log_5 5 = \log_5 5 = \frac{1}{2}$ 

$$\frac{3}{3} \log_{25} 5 = \log_{52} 5 = \frac{1}{2}$$

$$\frac{13)}{\log_2 225} = \log_{15} 25 = \log_{15} 25 = \frac{15}{2}$$

14) 
$$\log_4 32 + \log_{91} 10 = \log_{22} 2^5 + \frac{1}{\log_{10} 160} = \frac{5}{2} + \frac{1}{\log_{10} 160} = \frac{5}{2} - 1 = 1.5$$