11/2 38.1 :18/: 8 7= X3 1 18.1183 -8)

anse dy = 1/2. 1 F(8). AX 5+15.4=5.00833 18.1 - (8.1)3- Z.008298

 $|\log_2(32)| = |\log_2(4.8)$ $|\log_2(5)| = |\log_2(2)| + |\log_2(2)|$ |S| = |S| = |S| = |S| + |S| |S| = |

The log of the product 3 the synof the logs The expendical of the sum is the product of the topushing

$$10^{2} \cdot 10^{3} = 10^{2+3}$$
 $10^{2} \cdot 10^{3} = 10^{2+3}$
 $10^{2} \cdot 100 \cdot 1000 = 10^{2} \cdot 1000 + 1000 + 1000$
 $10^{2} \cdot 100^{2} \cdot 1000 \cdot 1000 = 1000 \cdot 1000$

$$\begin{array}{l}
log_{10}(100.100.1001.100.100) \\
= (05,0(1005)) \\
= log_{10}(100+log_{100+log_{100+log_{100}}} \\
= 5 log_{10}(100)
\end{array}$$

 $\int_{0}^{x} b^{y} = b^{x+y}$ $\int_{0}^{x} (xy) = \int_{0}^{x+y} (x) + \int_{0}^{x} (y)$ (bx) = 6x.91 10g (xy):- y log x Slog(x): (og(xy'):logx+logy' - logx - logx - 1/0gy 10gb = 大 logb(b*)= 大

f(x) = 5xpow(xy) XZX