

$$y = x^y$$

x	y
1	1
B	q

$$f(x) = x^{Ax+B}$$

$$1 = x^{A+B}$$

$$A+B=0$$

①

$$q = x^{A+B}$$

$$x^A + B = x$$

$$x^A = x$$

$$A = 1$$

$$B = -1$$

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$$\log(x^k + 10)$$

$$r = k + r$$

$$r^{k+r} = x^r r^k + 10$$

$$x^k = t$$

$$\Lambda t^r = t^k + 10$$

نوٹس: اردو - یا زنگ سری (B)

(Y) c

$$t^k - \Lambda t + 10 = 0$$

$$(t - \omega)(t - \psi) = 0$$

$$t = \omega \quad r^k = \omega \quad k = \log_{r^k} \omega$$

$$t = \psi \quad r^k = \psi \quad k = \log_{r^k} \psi$$

$$\left(\log_{r_1}^k\right)^r + \log_{r_1}^{k+r} = ?$$

$$\log_{r_1}^k = a$$

$$\log_{r_1}^k = 1 - a$$

$$\frac{a + r(1-a)}{r-a}$$

$$\frac{r a + r(1-a)}{a+r}$$

$$a^r + (r-a)(a+r) = \textcircled{r}$$

$$\log_{r^k + r^k + r} + \log_{r^k}^{k-r} = k$$

$$\log_{(r^k + r^k + r)(k-r)} = k$$

$$(r^k + r^k + r)(k-r) = 1$$

$$k^k - 1 = 1 \quad k^k = 14 \quad k = \sqrt[3]{14}$$

$$\log_{\sqrt[3]{14}}^{\sqrt[3]{14}} = \log_{r^k}^{14} = \textcircled{3}$$

(a) (b)

$$\log (x-1)^r + r \log (1-x) = 0$$

$$(x-1)^r = (1-x)^r$$

(K)

$$\log (1-x)^r = 0$$

$$r = 0$$

$$\log (1-x)^r + r \log (1-x) = 0$$

$$r \log (1-x) + r \log (1-x) = 0$$

$$2r \log (1-x) = 0$$

$$\log (1-x) = 0$$

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$$1-x = 1-x$$

$$x = -4$$

$$\log^{-x} = \log^4$$

$$x = 4$$

AM + B

$$r - k = t$$

$$\log t - \log \frac{1}{(-t)^r} = r$$

$$\log t - \log \frac{1}{t^r} = r$$

$$\log t^{-r} = r$$

$$\log t^{-r} = \log t^r = r$$

$$t^r = 10^r \Rightarrow t = 10$$

$$r - k = 10 \Rightarrow$$

$$\boxed{k = -10}$$

نوٹ: سب سے زیادہ

(4)

$$\log_{\frac{1}{4}}^{k-2} = ?$$

نوٹس آرہی
بازہم سری

(V)

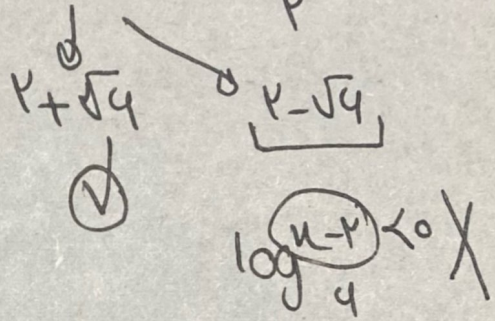
$$k^2 - 2 - k = 0 \Rightarrow k^2 - k - 2 = 0$$

$$k^2 - 2 - k = 0$$

$$D = 14 + 4 = 18$$

$$k_1, k_2 = \frac{1 \pm \sqrt{18}}{2}$$

$$\log_{\frac{1}{4}}^{2+\sqrt{4}-2} = \log_{\frac{1}{4}}^2 = \boxed{\frac{1}{2}}$$



$$\log_{\frac{1}{k}}^k = \frac{a}{\lambda}$$

$$\log_{\frac{1}{k}}^k = ?$$

$$\frac{\log_{\frac{1}{k}}^k}{\log_{\frac{1}{k}}^k} = \frac{k \log_{\frac{1}{k}}^k}{k \log_{\frac{1}{k}}^k + \log_{\frac{1}{k}}^k} = \frac{10}{10 + \frac{10}{k}}$$

(1)

$$\log_{\frac{1}{k}}^k + \log_{\frac{1}{k}}^k$$

$$\frac{\frac{10}{1}}{k + \frac{10}{k}} = \frac{\frac{10}{1}}{\frac{k^2 + 10}{k}} = \frac{10k}{k^2 + 10} = \frac{10}{\frac{k^2 + 10}{k}}$$

$$= \boxed{\frac{a}{v}}$$

$$\log_{\frac{1}{k}}^k = 0, 1 = \frac{k}{k}$$

$$\log_{\frac{1}{k}}^k = ?$$

(4)

$$\frac{\log_{\frac{1}{k}}^k}{\log_{\frac{1}{k}}^k} = \frac{\log_{\frac{1}{k}}^k + \log_{\frac{1}{k}}^k}{\log_{\frac{1}{k}}^k + \log_{\frac{1}{k}}^k} = \frac{\frac{1}{k} + 0, 1}{0, 1 + 1} = \frac{1, k}{1, 1} = \boxed{\frac{1k}{11}}$$

$$(a \log r) u^r + ar + b \log r = 0$$

$$u = -1$$

$$a \log r - a + b \log r = 0$$

$$(a+b) \log r = a$$

$$\div a \int \left(1 + \frac{b}{a}\right) \log r = a$$

$$\frac{b}{a} = \frac{1}{\log r} - 1$$

(10)

$$\left(r^{\frac{1}{r}}\right) \cdot \frac{1}{\log r} = \frac{r^{\frac{1}{r \log r}}}{\sqrt{r}}$$

$$r^{\frac{1}{\log r}} = 10 \Rightarrow r^{\frac{1}{r \log r}} = \sqrt{10}$$

$$\left(\sqrt{r}\right) \frac{b}{a} = \sqrt{10}$$

نوٹس اوریجی

Bar Mearil