

$$\log_n^m = a \rightarrow \frac{\log_m}{\log_n} = a$$

(1)

$$b = \log_{mn}^{mn} \Rightarrow \frac{\log_m + \log_n}{\log_m + \log_n} = \frac{a+1}{a+1} = 1 + \frac{a}{a+1}$$

$$\Rightarrow 1 < b < 2$$

$$\boxed{[b] = 1}$$

مث) $y = \sqrt{\frac{n}{\log_{\frac{1}{r}}^n}}$ $x > 0$ (2)

$$\rightarrow \log_{\frac{1}{r}}^n \neq 0 \rightarrow \boxed{n \neq 1}$$

$$\rightarrow \frac{n}{\log_{\frac{1}{r}}^n} \geq 0 \rightarrow \begin{cases} n > 0 \\ n \neq 1 \end{cases} \rightarrow \frac{n}{\log_{\frac{1}{r}}^n} \geq 0 \rightarrow 1) \text{ } f = \dots$$

ب) $y = \frac{\log^{n^2-n-2}}{\sqrt{x^2-1}+1} \rightarrow n^2-n-2 > 0 \rightarrow (n-2)(n+1) > 0$

$$\frac{-1}{+1} \quad \frac{2}{+1} \rightarrow (-\infty, -1) \cup (2, +\infty)$$

$$\sqrt{x^2-1} + 1 \neq 0 \rightarrow \sqrt{x^2-1} \neq -1 \checkmark$$

$$\Rightarrow \boxed{f = (-\infty, -1) \cup (2, +\infty)}$$

$$r \log_a^a + \log_a^{\frac{1}{r}} = r \rightarrow \frac{r}{r} \log_a^a + \log_a^{\frac{1}{r}} = r$$

(3)

$$\log_a^a + \log_a^{\frac{1}{r}} = \log_a^a + \frac{1}{\log_a^a} = r \rightarrow \log_a^a = 1$$

$$\rightarrow \log_a^a = 1 \rightarrow \boxed{a = r}$$

امید به خداوند و به امید به خداوند

$$\log^4 = \log(r \times e) = \log r + \log e \rightarrow 0.17$$

$$\log 10 = \log(10 \times 1) = \frac{\log 10}{1} + \log 1 = (\log 10 \times \log 1) + \log 1 = 1 + 0 = 1$$

$$\Rightarrow \sqrt{\left(\frac{-b}{a}\right)^2 - c\left(\frac{c}{a}\right)} = \sqrt{\frac{b^2}{a^2} - \frac{c^2}{a}} = \frac{\sqrt{b^2 - ac}}{a}$$

$$\text{deg}_r^V = r, \text{deg}_\omega^r = 0.2$$

$$\log_{1\epsilon}^{10} \rightarrow \frac{1}{\log_{1\epsilon}^{10}} \log_{1\epsilon}^{1\epsilon} = \cancel{\log_{1\epsilon}^{10}} + \log_{1\epsilon}^{1\epsilon} = 1 + \log_{1\epsilon}^{1\epsilon} = 1 + \frac{1}{10}$$

$$\rightarrow \log_{11}^{15} = \frac{19}{18} \rightarrow \boxed{\log_{15}^{11} = \frac{18}{19}}$$

$$\log_{\frac{1}{4}}^{\omega} = 1,8 \quad , \quad \log_{\frac{1}{4}}^{\epsilon} \approx 1,4 \rightarrow \log_{\frac{1}{4}}^{\gamma} = \frac{1,0}{1,4}$$

$$\frac{\partial \log y}{\partial x_1} = \frac{\log y_{(1 \times r)}}{\log y_{(r \times \infty)}} = \frac{\log y_{1r}}{\log y_{r\infty}} = \frac{\frac{\partial x_{1r}}{\partial x_{r\infty}}}{\frac{\partial x_{1r}}{\partial x_{r\infty}}} = \boxed{\frac{y_{1r}}{y_{r\infty}}}$$

①

$$\log_{\Lambda} \Lambda = m$$

$$\log_{\frac{r}{\Lambda}} = \log_{\frac{(\epsilon, \epsilon, \epsilon)}{\epsilon}} = \frac{r}{m} = \frac{r}{\frac{r}{\Lambda}}$$

$$\log_{\Lambda} (\Lambda + \Lambda + r)$$

$$\Lambda = m \rightarrow \Lambda^m = \Lambda \rightarrow \epsilon^m \times r^m = \Lambda \rightarrow r^m \times r^m = r^m = \Lambda$$

$$\rightarrow \epsilon^0 = r$$

$$\rightarrow \epsilon^0 = r$$

$$\rightarrow r^0 = r$$

$$\rightarrow \bigcirc = \frac{r}{m} + \frac{r}{\frac{r}{\Lambda}}$$

$$\frac{r^{m-1}}{r^{m-1}}$$

②

$$\frac{\epsilon^{r_{m-1}}}{\frac{r_{m-1}}{r_{m-1}}} = \frac{\epsilon^{r_{m-1}}}{\Lambda^{m-1}} = \frac{(\epsilon^{r_{m-1}})^{m-1}}{(r^{r_{m-1}})^{m-1}}$$

$$\frac{r^{r_{m-1}}}{\epsilon^{r_{m-1}}} = \frac{(\epsilon^{r_{m-1}})^{m-1}}{(r^{r_{m-1}})^{m-1}} \rightarrow \log_{\Lambda} a_{m-1} = \frac{1}{\Lambda} \times \log_{\Lambda} a_{m-1}$$

$$1 - \frac{1}{\epsilon} = \left(\frac{r}{\epsilon} \right)$$

!!! حقیقت !!!

$$\log_{\frac{r}{\Lambda}} = a$$

$$\log_{\Lambda} b = \frac{r}{\Lambda} (1+a)$$

③

$$\log_{\frac{r}{\Lambda}} b - 1$$

$$= \frac{\log_{\frac{r}{\Lambda}} b}{\log_{\Lambda}} = \frac{r \times \left(\frac{r}{\Lambda} \right) (a+1)}{a+1} = \frac{r}{\Lambda} = \textcircled{r}$$

$$- \epsilon a r^r + b a + \frac{1}{r} c = 0$$

معادله درجه دوم

$$\frac{1}{\frac{-b}{a}} = \frac{-a}{b} = \sqrt{\frac{\epsilon a}{b}}$$

④

$$\rightarrow \log_{\epsilon} = \frac{\epsilon a}{b}$$

$$\rightarrow r a = b + c$$

$$\frac{1}{\frac{r a - b}{a}} = \frac{a}{r a - b} = \frac{r a - b}{a} = 0$$

!!! این سوال را هم حقیقت !!!

$$\frac{r \times r \times r + r}{r} = \textcircled{r}$$