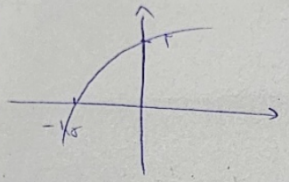


رئیس و سرالدریس

بازدم ریاضی کالیف



$y = \log_c(x)$
 $c > 0, \neq 1$

$(a+c)b = ?$

$b+c = -\frac{r}{r} \rightarrow -\frac{1}{c} + c = -\frac{r}{r} \rightarrow c^2 + \frac{r}{c} - 1 = 0$

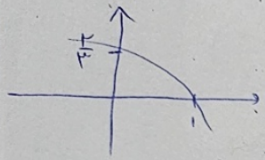
$x=0 \rightarrow y = 1 - \log_c^b = r \quad \log_c^b = -1 \quad \frac{1}{c} = -b$

$$\frac{-\frac{r}{r} \pm \sqrt{\frac{r^2}{r^2} + 4}}{2} = \frac{-\frac{r}{r} \pm \frac{d}{r}}{r} \rightarrow \frac{1}{r} = c$$

14, 10

$0 = 1 - \log_{\frac{1}{r}}^{\frac{1}{r}} = \log_{\frac{1}{r}}^{\frac{1}{r}} = 1$

$-1/a + r = \dots \rightarrow a = 1 \rightarrow (a+g)b =$



$f(x) = 1 + Cx^a$

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

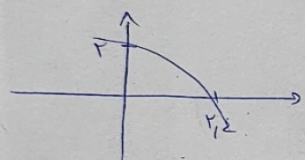
$(1 + \frac{1}{r}) - r = (-\frac{r}{r})$

$f(-1) = ?$

$0 = 1 + Cx^a = -1 = Cx^a$

$1 + Cx^a = 1 + Cx^{\frac{a}{r}} = \frac{1}{r}$

$-1 = Cx^a = Cx^a x^{\frac{r}{r}} = Cx^{\frac{a+r}{r}} \rightarrow b = 1$



$y = C + \log_a(x)$

$r = C + \log_a^b \rightarrow r - C = \log_a^b \quad a^{r-C} = b$

$\frac{a}{b} = ?$

$-C = \log_a^{\frac{1}{r}}(a+b)$

$a^{-C} = \frac{1}{r}(a+b)$

$\frac{a}{b} = \frac{a}{-r \log_a^{\frac{1}{r}}(a)} = \frac{-r}{\log_a^{\frac{1}{r}}(a)}$

$r \log_a^{\frac{1}{r}}(a) = -r \log_a^{\frac{1}{r}}(b)$
 $-r \log_a^{\frac{1}{r}}(a) = b$

$a^r x^a = b$
 $\leftarrow r \log_a^{\frac{1}{r}}(a+b) = b$

$f(x) = \log_r(|x^r - r| - a) > 0$

$|x^r - r| > a \rightarrow x^r - r > a \quad x^r - r < -a$

$(x-r)(x+r) > 0$

$x^r - r < -a$
 $x^r + a - r < 0$

$(x+r)(x-1) < 0$

$D_f = (-\infty, -1) \cup (1, \infty)$

$\frac{-r \quad 1}{+ \quad -} \rightarrow$

$D = (-\infty, -1) \cup (1, \infty)$

$g(x) = -x^r - rx + 1 \rightarrow x=1 \quad y = -1 + r + 1 = r$

$f(x) = r + r^{b-ax} \rightarrow \frac{r}{r} = r^{b-a} \quad b-a = 1$

$f^{-1}(1) = -1 \rightarrow f(-1) = 1 \rightarrow x + r = \sqrt[r]{1} = 1 \rightarrow x = 1 - r$

$b-a = r$
 $b-a = 1$

$r^{b-a} = ? \quad r^{r-1} = r$

$b = r$
 $a = 1$

$$f(x) = -x + \left(\frac{1}{x}\right)^{A+B} \quad \Rightarrow \quad -x + \left(\frac{1}{x}\right)^{A+B} \rightarrow y = y \quad \begin{matrix} -A-B \\ A+B = -1 \end{matrix}$$

$$y = ax^r - a \quad \begin{matrix} n=1 \\ n=r \end{matrix} \quad \begin{matrix} y=0 \\ y=r \end{matrix} \quad \begin{matrix} y = -x + x^{-A-B} \\ = y = y \end{matrix} \quad \begin{matrix} rA+B = -r \\ A = -1 \\ B = 0 \end{matrix}$$

$$f(x) = ? \quad -x + \left(\frac{1}{x}\right)^{-1} = \textcircled{9}$$

$$\frac{m}{r} = m_1 \left(\frac{1}{a}\right)^t \quad \frac{1}{q} = \left(\frac{1}{a}\right)^t \quad \log_a^{-1} = \log_a \left(\frac{1}{a}\right)^t$$

$$-(\log_a^r + \log_a^r) = t(\log_a^r - \log_a^r) \Rightarrow -\left(\frac{a}{r} + \frac{a}{v}\right) = t\left(r \times \frac{a}{r} - r \times \frac{a}{v}\right)$$

$$-\frac{ra+va}{rv} = t\left(\frac{ra}{rv} - \frac{ra}{rv}\right) = t\left(\frac{ra - ra}{rv}\right) \rightarrow \frac{ra}{rv} = t\left(\frac{ra}{rv}\right) = \frac{ra}{ra} = t$$

$$m_v = m_1 \left(\frac{v}{a}\right)^t \quad \frac{ra}{va} = \frac{1}{a} \rightarrow \frac{ra}{va} = \frac{1}{a} \Rightarrow \frac{v}{a} \text{ only}$$

$$\frac{1}{v} = \left(\frac{v}{a}\right)^t \rightarrow \log_a^v = t(\log_a^v) = -\left(\frac{1}{v}\right) = t\left(\log_a^v - \log_a^v\right)$$

$$-\frac{a}{v} = t\left(\frac{a}{v} - \frac{a}{a}\right) = t\left(\frac{a - a}{v}\right) \Rightarrow \frac{a}{v} = t\left(\frac{a}{v}\right) \rightarrow t = 1 \rightarrow \frac{a}{v} \text{ only}$$

$$\left(\frac{r}{v}\right)^{\frac{1}{v}} = \left(\frac{r}{v}\right)^{\frac{1}{v}} = \frac{1}{v} = \left(\frac{r}{v}\right)^0 \quad \log_a^{-1} = \log_a \left(\frac{r}{v}\right)^0$$

$$-1 \cdot (-1.48) = D(\log_a^{r_1} - \log_a^{r_0}) = -0.48 = D(1.48 - 1.48)$$

$$\log_a^{r_1} - \log_a^{r_0} = \log_a^{r_0}$$

$$1 - 1.48 = -0.48$$

$$\log_a^{r_1} + \log_a^{r_0}$$

$$0.48 + 1.48 - 1.48 = 0.48$$

$$D = 1.48$$

