

19, 15

رسانه رضوانی راد با زدهم پسر

$$1 - \log_c^{-b} = \gamma \Rightarrow \log_c^{-b} = -1 \Rightarrow \frac{1}{c} = -b \rightarrow bc = -1 \quad \begin{matrix} c > 0 \\ b < 0 \end{matrix}$$

(1, 15)

~~فکر کن~~

$$\log_c^{-1/a-b} = 1 \Rightarrow -1/a-b = c \Rightarrow -1/a = \frac{c}{-1-b}$$

$\alpha = 1$

$$\begin{cases} \gamma x^2 + \gamma x - \gamma \rightarrow \frac{-\gamma + \sqrt{\gamma^2}}{\gamma} = \frac{1}{\gamma} = c \checkmark \\ \rightarrow \frac{-\gamma - \sqrt{\gamma^2}}{\gamma} = -\gamma = b \checkmark \end{cases}$$

$$\cancel{\gamma x - \gamma} = \cancel{\gamma} \quad \boxed{-\gamma}$$

$$1 + \frac{cx^{\gamma a}}{\frac{1}{\gamma}} = \frac{\gamma}{\gamma}$$

$$1 + cx^{\gamma a+b} = 0 \quad \begin{matrix} cx^{\gamma a} \\ \frac{1}{\gamma} \end{matrix} \Rightarrow b \leq 1 \checkmark$$

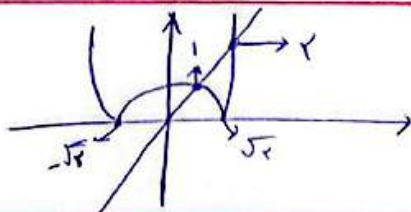
$$f(-1) = 1 + \frac{cx^{\gamma a}}{\frac{1}{\gamma}} \times \frac{\gamma^{-b}}{\frac{1}{\gamma}} = 1 - \frac{1}{\gamma} = \frac{1}{\gamma} \checkmark$$

$$c + \log_a b = \gamma$$

$$c + \log_a^{\gamma a+b} = 0 \Rightarrow \log_a b - \log_a^{\gamma a+b} = \gamma \Rightarrow \frac{b}{\gamma a+b} = \gamma a$$

$$\gamma \in \frac{a}{b} + 1 = \frac{1}{\gamma a} \Rightarrow \gamma \in \frac{a}{b} = \frac{-\gamma a}{\gamma a} \Rightarrow \frac{a}{b} = \frac{-b}{\gamma a} = \frac{-\gamma}{a} \checkmark$$

$$|x^{\gamma} - \gamma| > x$$



$$D_f = \mathbb{R} - [1, \gamma] \checkmark$$

$$g(1) = f \Rightarrow \gamma^{b-a} = \gamma \Rightarrow b = a+1 \quad f(-1) = 1 \rightarrow b+a = \gamma \Rightarrow a=1, b=2 \checkmark$$

$$f(1) = 0 \quad f(\gamma) = f - \gamma = \gamma \Rightarrow A+B = -1 \quad \gamma A+B = -\gamma \rightarrow A = -1, B = 0 \checkmark \quad \gamma + \gamma^2 = \gamma \checkmark$$

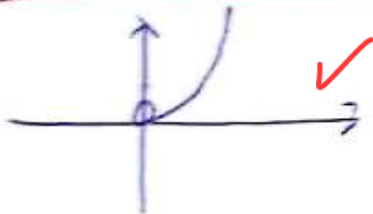
$$P = P_0 \times e^{Kt} \quad \frac{1}{\gamma} P_0 = P_0 \times \left(\frac{1}{a}\right)^{K \times \frac{1}{\gamma}} \quad -\log_a \frac{1}{\gamma} = -\left(\frac{1}{\gamma t} + \frac{1}{\gamma t}\right) = K \left(\log_a \gamma - \gamma \log_a \gamma \right)$$

$$K = \frac{\frac{\gamma}{\gamma \times \gamma \times \gamma}}{\frac{1}{\gamma} \times \frac{1}{\gamma}} = \frac{1}{\gamma} \ln \left(\frac{1}{a} \right)^{\frac{1}{\gamma}} = \frac{\frac{\gamma}{\gamma \times \gamma}}{\frac{1}{\gamma} \times \frac{1}{\gamma}} = K \times \frac{1}{\gamma} \iff \frac{\gamma}{\gamma t} - \frac{\gamma}{\gamma t} = \frac{1}{\gamma} - \frac{1}{\gamma}$$

$$\frac{1}{\gamma} P = P \times \left(\frac{1}{a}\right)^{K \times \frac{1}{\gamma}} \Rightarrow -\log_a \frac{1}{\gamma} = -\frac{a}{\gamma} = \left(\log_a \gamma - \gamma \log_a \gamma \right) K = K \left(\frac{-a}{\gamma} \right)$$

$$K = \frac{a}{\gamma} \times \frac{\gamma}{a} = 1 \quad \text{نوع } \Delta \gamma \text{ } \checkmark \quad \frac{a}{\gamma} \quad \frac{\gamma}{\gamma} = \frac{1}{\gamma}$$

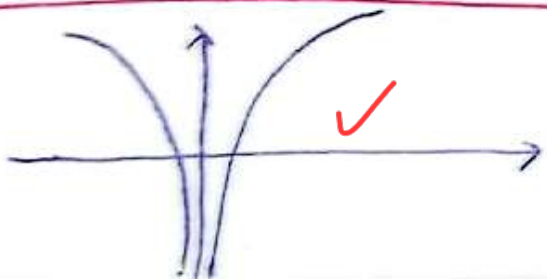
x^y
 $x > 0$



(الف) - با
(۲)

$$\frac{1}{r} P = P \times \left(\frac{94}{100}\right)^{T \times K} \xrightarrow{T=1} \frac{1}{r} = \left(\frac{94}{100}\right)^K \quad (۲) - 9$$

$x = \mathbb{R} - \{0\}$
 $y = \log x$



(ب)

$$-\log r = K(\log 94 - r) \Rightarrow K \times \frac{r}{100} = \frac{rA}{100} \rightarrow \boxed{K=rA}$$

$$\log 94 = \log r + \log r = 1/2 + 0/5A = 1/2$$