

$$f(x) = r^{A+B} \quad y = r^x$$

(۱) دانه

$$\begin{aligned} f(1) = y(1) &\Rightarrow r^{A+B} = 1 \Rightarrow A+B = \dots & (1) \\ f(r) = y(r) &\Rightarrow r^{rA+B} = r \Rightarrow rA+B = r & (r) \end{aligned} \quad \left\{ \begin{array}{l} -A+B = \dots \\ rA+B = r \\ rA = r \Rightarrow \left\{ \begin{array}{l} B = -1 \\ A = 1 \end{array} \right. \end{array} \right.$$

حاصل

$$f(x) = r^{x-1} \quad f(\cdot) \quad f(\cdot) = r^{-1} \Rightarrow \frac{1}{r}$$

$$\log_r (r^2 + 10) = 2 + r \Rightarrow r^{2+r} = r^2 + 10 \Rightarrow (r^2)^r + 10$$

(۲) دانه

$$\Rightarrow t^r - 10t + 10 \Rightarrow (t-r)(t-d) \quad \left\{ \begin{array}{l} t_1 = r \\ t_2 = d \end{array} \right. \quad \left\{ \begin{array}{l} r^2 = r \Rightarrow r_1 = \log_r r \\ r^2 = d \Rightarrow r_2 = \log_r d \end{array} \right.$$

$$r_1 + r_2 = \log_r r + \log_r d = \log_r d$$

$$(\log_{11}^r)^r + \log_{11}^{(1+r)} \log_{11}^{(1+r)} = (\log_{11}^r)^r + \log_{11}^{(11 \times V)} (\log_{11}^{11^r \times r})$$

(۳) دانه

$$\Rightarrow (\log_{11}^r)^r + (\log_{11}^{1/11} + \log_{11}^V) (\log_{11}^{11^r} + \log_{11}^r) = (\log_{11}^r)^r + \underbrace{(1 + \log_{11}^V)}_{(x)} (r + \log_{11}^r)$$

$$\Rightarrow (\log_{11}^r)^r + r + \log_{11}^r + r \log_{11}^V + \log_{11}^V \times \log_{11}^r$$

$$\Rightarrow \log_{11}^r (\log_{11}^r + \log_{11}^V) + r + \log_{11}^r + r \log_{11}^V = \log_{11}^r + r + \log_{11}^r + r \log_{11}^V$$

$$\Rightarrow r \log_{11}^r + r + r \log_{11}^V = r (\log_{11}^r + \log_{11}^V) + r = r \log_{11}^{11} + r = r + r = \{ \}$$

جواب

$$\log(z^r - r_2 + 1) + r \log(1-z) = d$$

$$\log_r(-z) = ?$$

(فدال)

$$\log(1-z)^r + \log(1-z)^r = d$$

$$\Rightarrow \log_{1.0}^{-(z-1)^d} = d$$

$$\Rightarrow (1-z)^d = 1.0^d$$

$$\Rightarrow 1-z = 1.0 \Rightarrow z = -9$$

$$\log_r^{(9)} = 9$$

$$(a \log r)^{r^r} + a^r + b \log_r = \dots$$

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

(1. 1)

$$\log^r\left(1 + \frac{b}{a}\right) = 1 \Rightarrow 1 = r \times r^{b/a} \Rightarrow r^{b/a} = \frac{1}{r} \Rightarrow (\sqrt[r]{r})^{b/a} = r^{-1/a}$$

$$\Rightarrow (r^{b/a})^{1/r} = \frac{1}{r} = \sqrt[r]{\frac{1}{r}}$$

$$\frac{a+b}{a} \times \log_r = 1 \Rightarrow \left(1 + \frac{b}{a}\right) \log_r = 1$$