

عرفان حقیقہ یاز دہم سے A

$$y = m^x \begin{cases} n=1 & y=1 \\ n=m & y=9 \end{cases} \quad \begin{cases} m^{A+B} = 1 \\ m^{mA+B} = 9 \end{cases} \quad (1)$$

$$\begin{cases} A + B = 1 \\ mA + B = 9 \end{cases} \Rightarrow A = 1 \quad B = -1 \quad (2)$$

$$m = \dots \Rightarrow m^{-1} = \frac{1}{m} \checkmark$$

$$r^{m+n} = r^n + 10 \Rightarrow r^n \times r = r^n + 10 \Rightarrow r^n = t$$

$$t - 10 + 10 = \dots \Rightarrow t = 10, t = r^n \checkmark$$

جمع کرنے سے حاصل ہوا ہے!

$$\log_r^a + \log_r^m = \log_r^{am}$$

$$(\log_{r_1}^r)^r + \log_{r_1}^{rv} \log_{r_1}^{rrr} = ? \Rightarrow (\log_{r_1}^r)^r + ((\log_{r_1}^v + \log_{r_1}^{r_1}))$$

$$(\log_{r_1}^v + \log_{r_1}^{r_1})^r \Rightarrow (\log_{r_1}^r)^r + (\log_{r_1}^v + 1)(\log_{r_1}^r + r) \quad (3)$$

$$\Rightarrow (\log_{r_1}^r)^r + \log_{r_1}^v \log_{r_1}^r + r + \log_{r_1}^v \Rightarrow \log_{r_1}^r (\log_{r_1}^r + \log_{r_1}^v) + r$$

$$\Rightarrow \log_{r_1}^r + r + \log_{r_1}^v = r \checkmark$$

Viana

subject :

Year :

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$$\log_{1.} (n-1)^r + \log_{1.} (1-n)^r = \omega$$

(1,2) r

$$(n-1)^r = (1-n)^r \Rightarrow \log_{1.} (1-n)^r = \omega$$

$$1.^\omega = (1-n)^\omega \Rightarrow n = -1 \checkmark$$

خواص سوال :

$$\lg_r^{-n} = \lg_r^n = r \quad \square$$

$$(n^r + r(n+r))(n-r) \Rightarrow n^r - 1 \Rightarrow \log_r^{n^r-1} = r \quad \omega$$

(r)

$$n^r - 1 = 1 \Rightarrow n^r = 1 \Rightarrow n = \sqrt[r]{1}$$

$$\log_r \sqrt[r]{1} \Rightarrow \log_r 1 = r \checkmark$$

$$\log_{1.} (r-n) = \log_{1.} \frac{1}{(r-n)^r} = r \Rightarrow (n-r) = (r-n)^r \quad \omega$$

(r) (r)

$$\Rightarrow \frac{(r-n)}{1} \Rightarrow (r-n) = 1. \Rightarrow n = -1 \checkmark$$

$$\log_r \sqrt[r]{1} \Rightarrow r \log_r 1 \Rightarrow r \checkmark$$

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$$n^r - r = n \Rightarrow n^{r-1} = r \Rightarrow n^r = r^n \Rightarrow n^r - r^n - r = 0 \quad (1)$$

$$n = r \pm \sqrt{r} \Rightarrow n = r + \sqrt{r} \Rightarrow \log_{r+\sqrt{r}}^{\sqrt{r}} = \frac{1}{r} \checkmark$$

$$\log_{r+\sqrt{r}}^{\sqrt{r}} \Rightarrow \frac{\log_{r+\sqrt{r}}^{\sqrt{r}}}{\log_{r+\sqrt{r}}^{\sqrt{r}}} \Rightarrow \frac{r \log_{r+\sqrt{r}}^{\sqrt{r}}}{\log_{r+\sqrt{r}}^{\sqrt{r}} + \log_{r+\sqrt{r}}^{\sqrt{r}}} \Rightarrow \frac{r \left(\frac{\omega}{r} \right)}{r + \frac{\omega}{r}} \quad (1)$$

$$\Rightarrow \log_{r+\sqrt{r}}^{\sqrt{r}} = \frac{\omega}{r+1} \checkmark$$

$$\log_{r+\sqrt{r}}^{\sqrt{r}} = \frac{\log_{r+\sqrt{r}}^{\sqrt{r}}}{\log_{r+\sqrt{r}}^{\sqrt{r}}} \Rightarrow \frac{\log_{r+\sqrt{r}}^{\sqrt{r}} + \log_{r+\sqrt{r}}^{\sqrt{r}}}{\log_{r+\sqrt{r}}^{\sqrt{r}} + \log_{r+\sqrt{r}}^{\sqrt{r}}} \Rightarrow \frac{\frac{1}{r} + \frac{\omega}{r}}{\frac{\omega}{r} + 1} \quad (2)$$

$$\Rightarrow \log_{r+\sqrt{r}}^{\sqrt{r}} = \frac{1+r}{r+\omega} \checkmark$$

$$a \log_r r - a + b \log_r r = 1 \Rightarrow (a+b) \log_r r - a = 1 \quad (1)$$

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

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

$$\sqrt[r]{\frac{\log_r r - 1}{r}} \Rightarrow r^{\frac{\log_r r - 1}{r}} \Rightarrow \omega^{\frac{1}{r}} \Rightarrow \sqrt{\omega} \checkmark$$