

هذه هي الجواب

20

عقود

$$1, 1 - \log_c^{-b} = r \rightarrow \log_c^{-b} = -1 \rightarrow \frac{1}{c} = -b \rightarrow c - \frac{1}{c} = -\frac{r}{r} \rightarrow r c^r + r c - r = 0 \rightarrow C = \frac{1}{r}, -r$$

$$b = -r$$

$$1 - \log_{\frac{1}{r}}^{-\frac{r}{r}a+r} = 0 \rightarrow \frac{1}{r} = -\frac{r}{r}a+r \rightarrow -\frac{r}{r} = -\frac{r}{r}a \rightarrow a=1 \quad (a+c)b = \boxed{-r}$$

$$2, \frac{c \times r^{a+b}}{c \times r^a} = -1 \rightarrow r^b = r \rightarrow b=1$$

3

$$f(-1) = 1 + \frac{c \times r^{a \cdot (-1)}}{\frac{1}{r} \times r^{-1}} = 1 - \frac{1}{a} = \boxed{\frac{1}{a}}$$

$$3, \log_0^b - \log_0^{rfa+b} = r \rightarrow \log_0 \frac{b}{rfa+b} = r \rightarrow \frac{b}{rfa+b} = r \rightarrow r_0 a + r b = b \rightarrow \frac{a}{b} = \frac{-r}{r_0} = \boxed{\frac{-r}{a}}$$

$$f, |x^r - r| - x > 0$$

$x^r - r > 0$	$x^r + r - r < 0$	$x^r - r - r > 0$
$\frac{-r}{+} \quad \frac{1}{-} \quad \frac{+}{+}$	$\frac{-1}{+} \quad \frac{r}{-} \quad \frac{+}{+}$	$\frac{-r}{+} \quad \frac{1}{-} \quad \frac{+}{+}$

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$D = \mathbb{R} - [1, r]$

$$a, \begin{cases} r + r^{b-a} = f \rightarrow r^{b-a} = r \rightarrow b-a=1 \\ r + r^{b+a} = 1 \rightarrow r^{b+a} = 1 \rightarrow b+a=0 \end{cases} \left. \begin{matrix} b=r \\ a=1 \end{matrix} \right\} \rightarrow r^{b-a} = f-1 = \boxed{r}$$

$$4, \begin{cases} -r + \left(\frac{1}{r}\right)^{A+B} = 0 \rightarrow \left(\frac{1}{r}\right)^{A+B} = r \rightarrow A+B = -1 \\ -r + \left(\frac{1}{r}\right)^{rA+B} = r \rightarrow \left(\frac{1}{r}\right)^{rA+B} = f \rightarrow rA+B = r \end{cases} \left. \begin{matrix} A=-1 \\ B=0 \end{matrix} \right\} \rightarrow -r \left(\frac{1}{r}\right)^{-r+0} = \boxed{r}$$

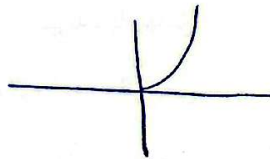
$$v, \left(\frac{n}{9}\right)^m = \frac{1}{9} \quad \log_{\frac{n}{9}} \frac{1}{9} = \frac{\log_{\frac{n}{9}} \frac{1}{9}}{\log_{\frac{n}{9}} \frac{1}{9}} = \frac{-\log_9 9}{r \log_9 r - r \log_9 r} = \frac{-\left(\frac{1}{r} + \frac{1}{r}\right)}{\frac{r_0}{r} - \frac{r_0}{r}} = \frac{19}{\cancel{r}} \rightarrow \boxed{19}$$

$$n, \left(\frac{v}{n}\right)^m = \frac{1}{v} \rightarrow \log_{\frac{v}{n}} \frac{1}{v} = \frac{\log_{\frac{v}{n}} \frac{1}{v}}{\log_{\frac{v}{n}} \frac{1}{v}} = \frac{-\frac{1}{v}}{\frac{1}{v} - \frac{r_0}{14}} = n \rightarrow n \times v = \boxed{89}$$

$$9, \left(\frac{94}{100}\right)^n = \frac{1}{100} \rightarrow \log_{\frac{94}{100}} \frac{1}{100} = \frac{-\log 100}{\log 94 - \log 100} = \frac{-0.151}{\log 94 - 2} = \boxed{24}$$

\downarrow
 $\Delta \log r + \log r = 1.18 + 0.151 = 1.33$

10) الف, $y = 9^{\log x} = x^9$
 $D = [0, +\infty)$



ب, $y = \log x^9 = 9 \log |x|$

