نام و نام خانوادگی ..... پاسخنامه تشریحی تکلیف شماره ..... کلاس .....

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$x=-1,0 , y=0 \Rightarrow 1-\log_c^{-1,0a-b}=0 \Rightarrow -1,0a-b=0$

$x=0 , y=2 \Rightarrow 1-\log_c^{-b}=2 \Rightarrow \frac{1}{c}=-b \begin{cases} b+c=-\frac{3}{2} \Rightarrow c=\frac{1}{2} \\ b=-2 \end{cases}$

$b(a+c)=-2(1,0)=-3$ $\quad a=10$

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$x=1 , y=0 \Rightarrow 1+c\times 3^{a+b}=0 \Rightarrow c\times 2^{a+b}=-1$

$x=0 , y=\frac{2}{3} \Rightarrow 1+c\times 2^{a}=\frac{2}{3} \Rightarrow c\times 2^{a}=-\frac{1}{3} \rightsquigarrow c=-1 \quad a=-1 \quad b=1$

$f(-1) \longrightarrow 1+(-1)\times 3^{-1+x^{-1}}=\frac{8}{9}$

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$|x^2-2|-x>0 \rightarrow |x^2-2|>x \longrightarrow \begin{cases} x^2-2>x \rightarrow x^2-x-2>0 \quad (I) \\ x^2-2<-x \rightarrow x^2+x-2<0 \quad (II) \end{cases}$

(I) $\begin{array}{ccccc} & -1 & & 2 & \\ + & | & - & | & + \end{array}$

(II) $\begin{array}{ccccc} & -2 & & 1 & \\ + & | & - & | & + \end{array}$

اجتماع $D_f=(-\infty,-1)\cup(2,+\infty)$

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$x=1 \longrightarrow g(1)=4=2+2^{b-a} \Rightarrow b-a=1$

$f^{-1}(10)=-1 \Rightarrow f(-1)=10 \Rightarrow 10=2+2^{b+a} \Rightarrow b+a=3$

$\begin{cases} b-a=1 \\ b+a=3 \end{cases} \rightarrow 2b=4 \quad b=2 \quad a=1 \qquad 2b-a=3$

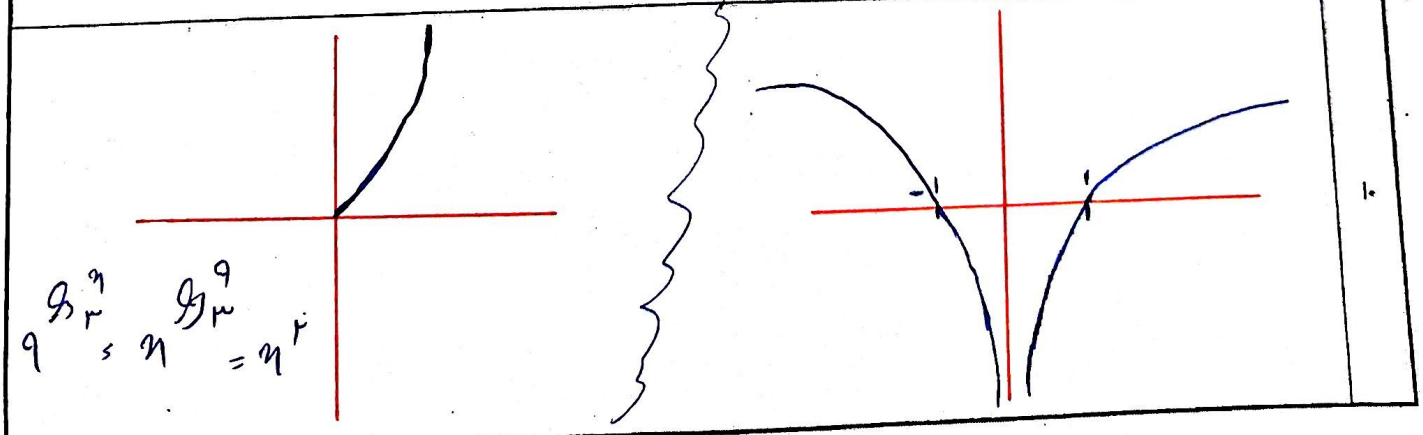
$x=1 \rightsquigarrow y=0 \Rightarrow f(1) = -2 + \left(\frac{1}{2}\right)^{A+B} = 0 \Rightarrow \left(\frac{1}{2}\right)^{A+B} = 2 \Rightarrow A+B=-1$

$x=2 \rightsquigarrow y=1 \Rightarrow f(2) = -2 + \left(\frac{1}{2}\right)^{2A+B} = 1 \Rightarrow \left(\frac{1}{2}\right)^{2A+B} = 3 \Rightarrow 2A+B=-2$

$$\begin{cases} 2A+B=-2 \\ A+B=-1 \end{cases}$$

$A=-1 \qquad B=0$

$f(3) = -2 + \left(\frac{1}{2}\right)^{-3} = -2+8 = 6$



$g_2^9 \; g_3^9$

$9 = n^2 = n^3$