

پرتیاز باقری / تکلیف شماره ۲۱ / کلاس دهم دختر A

$$a^2 + 2a = a^2 - 4 \rightarrow a = (-2)$$

(۲)

$$\frac{f+a}{f-b} = 2, \quad f+b = 2 \rightarrow b = (-1)$$

(۲)

$$\frac{f+a}{2} = 2 \rightarrow a = 1 \rightarrow f(x) = \frac{x+a}{x-b} \quad f(1) = \frac{1+1}{1-1} = 4$$

$$\begin{cases} 2-a+b=0 \\ 22+2a+b=0 \end{cases} \rightarrow 22+2a=2-a$$

$$\begin{cases} 22+2a+b=0 \\ 22+2a+b=0 \end{cases} \rightarrow a = (-4) \rightarrow b = (-1)$$

$$f(x) = \frac{2x+1}{2x-4-1} \rightarrow f(1) = \frac{2+1}{2-1-1} = \frac{-1}{1}$$

$$\begin{cases} a^2 + 14b = 0 \\ -f = a + b = 0 \end{cases} \xrightarrow{b = a+14} a^2 + 14a + 49 = 0 \rightarrow (a+7)^2 = 0 \rightarrow a = (-7)$$

$$b = (-14)$$

$$a+b = (-21)$$

$$\Delta < 0 \rightarrow m^2 - 4 < 0 \rightarrow (-2, 2) = m \text{ عدد } I$$

$$(x-1)^2 = x^2 - 2x + 1$$

$x=1$  می توانیم در آن صفا عین باشد

$$m = -2 \text{ II}$$

$$I \cup II = [-2, 2]$$

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$$f - \frac{1}{x^p} > 0 \rightarrow (-\infty, -\frac{1}{p}] \cup [\frac{1}{p}, +\infty)$$

+ 0 - +

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$$mx^2 + px + 1$$

$$\bullet m > 0$$

$$\bullet \Delta < 0 \sim f_m^2 - f_m < 0 \rightarrow [0, 1] : m > 0$$

$$(\bullet m = 0 \rightarrow y = 1 \checkmark)$$

[0, 1] : جواب های

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$$\frac{f x^p - 1}{x^p - 1} ; x \neq a \rightarrow x^p - 1 \neq 0 \rightarrow x \neq \frac{1}{p} \rightarrow a = \frac{1}{p}$$

$$x = \frac{1}{p} \rightarrow g_{\left(\frac{1}{p}\right)} = f, f_{\left(\frac{1}{p}\right)} = p + k \rightarrow p = p + k \rightarrow k = 0$$

$$\Rightarrow a + k = \frac{1}{p} + 0 = \frac{1}{p}$$

$$p x - p = p x + b \rightarrow b = (-p)$$

$$x = \frac{p}{p} \left\{ \begin{array}{l} f_{\left(\frac{p}{p}\right)} = -p + p \\ g_{\left(\frac{p}{p}\right)} = (-p) \end{array} \right.$$

$$\rightarrow -p + p = -f \rightarrow a = p$$

$$\rightarrow a + b = p - (-p) = 2p$$

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Subject : \_\_\_\_\_

Date: \_\_\_\_\_

$$x = r \rightarrow \begin{cases} f_{(r)} = r a^r + r a \\ g(r) = r \end{cases} \rightarrow r a^r + r a = f \rightarrow a^r + a - r = 0$$

$$(a+r)(a-1) = 0$$

$$a = -r, 1$$

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