

$$f(x) = 1 \rightarrow f(x) = x + f(x) \rightarrow f(x) = 1$$

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ملینا کی

$$x^2 + x = x + x + x + 1 \rightarrow f(x) = x \rightarrow y = \sqrt{x - x^2}$$

$$R_f = [-\infty, \frac{1}{2}] \rightarrow [0, \frac{1}{2}]$$

مکمل نہیں

$$x \neq -1 : \text{جیسے}$$

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

$$x = 1 \rightarrow y = -1 \quad R_f = [-1, 1] - \{1\}$$

$$x^2 - x \neq 1 \rightarrow (x-1)(x+1) \neq 0 \rightarrow x \neq -1 \text{ or } 1 \quad D_f = (R - \{-1, 1\})$$

$$\begin{matrix} a = -1 \\ b = 1 \\ c = -1 \end{matrix} \rightarrow \frac{(-1)^2 - 1(-1)}{-1 + 1} = 1$$

$$\sqrt{(x-1)^2} = \sqrt{x^2 - 1 - 2x + 1} = \sqrt{x^2 - 2x}$$

$$\begin{matrix} -4 - 1 = -1 \\ 1 - 1 = 0 \end{matrix}$$

$$R_f = [-1, 1]$$

$$\begin{matrix} a = -4 \\ b = 1 \end{matrix} \quad [-4, 1]$$

$$\frac{1}{x+1} > 0 \rightarrow \frac{-1}{-1} + \frac{1}{1} = x \in (-1, 1)$$

$$D_f = (-1, 1)$$

$$\begin{matrix} \max \rightarrow +\infty \\ \min \rightarrow 0 \end{matrix} \quad \begin{matrix} \frac{a}{1} = a \\ \frac{-1}{b} = \frac{1}{b} \end{matrix}$$

$$b < 0$$

$$\begin{matrix} a = -1 \\ b = 1 \end{matrix} \quad \boxed{a+b = -1}$$

$$a+b < 1$$

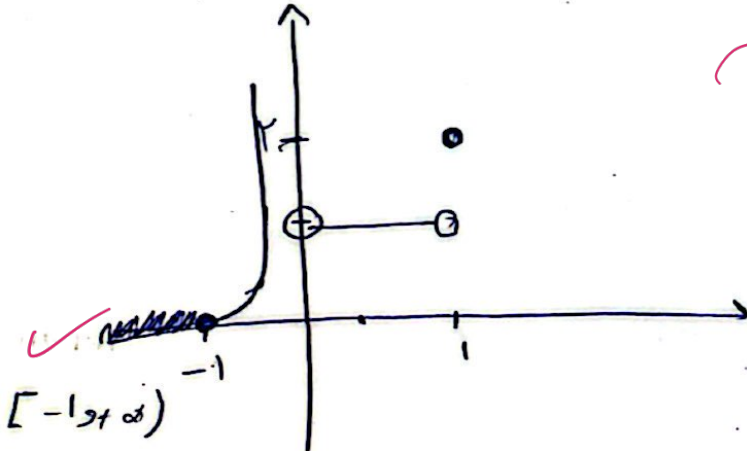
$$(-1, 1) \text{ میں } y, \text{ جس پر}$$

$$\frac{[x]}{n} + \frac{|n|}{n} \quad [-1, 1]$$

$$x \in [-1, 0) \rightarrow -\frac{1}{x} - 1$$

$$[0, 1) \rightarrow +1$$

$$\{1\} \rightarrow \frac{1}{x} + 1 = 2$$



Date:

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Subject:

Other:

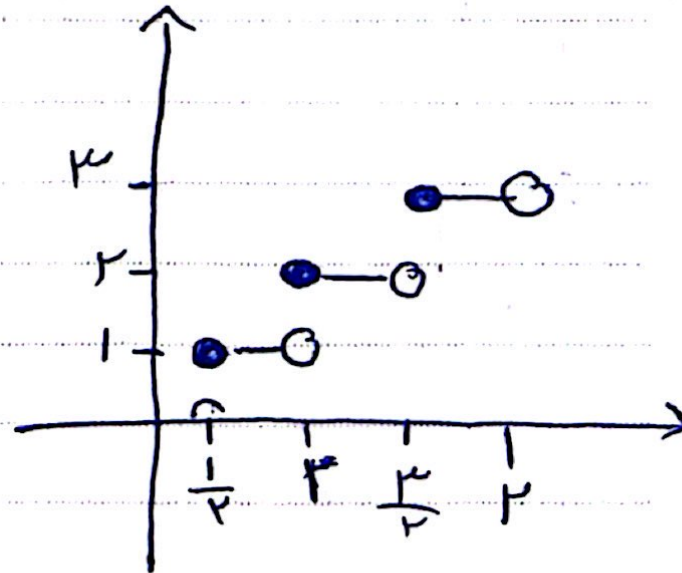
$$[x] + [x + \frac{1}{r}]$$

$$[\frac{1}{r}, 1) \quad 0 + 1 = 1$$

$$[1, \frac{r}{r}) \quad 1 + 1 = 2$$

$$[\frac{r}{r}, r) \quad 1 + r = r$$

$$R_f [1, r, r]$$

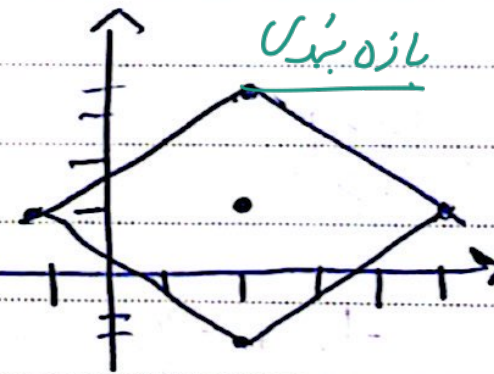
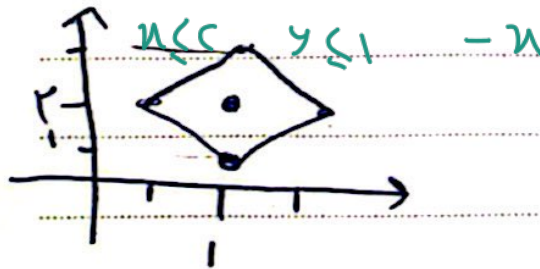


to 0, 1, r

$$[x] + |x|$$

$$|x-2| + |y-1| = 4$$

$$\begin{cases} x \geq 2 & y \geq 1 & 4-x \\ x \geq 2 & y \leq 1 & x-2 \\ x \leq 2 & y \geq 1 & x+2 \\ x \leq 2 & y \leq 1 & -x \end{cases}$$



1

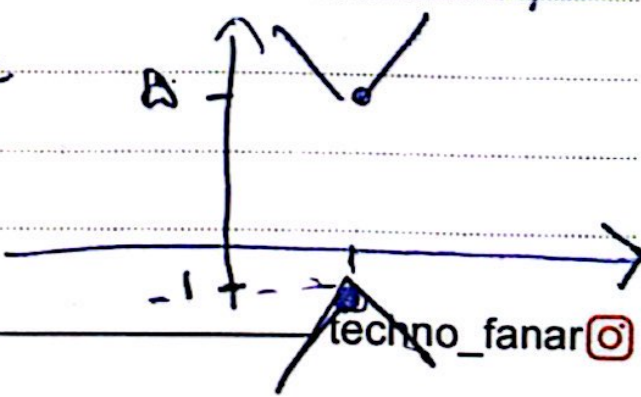
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$$|x-1| - |y-2| = -4$$

$$|y-2| - |x-1| = 4$$



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techno_fanar

Date:

Subject: $- \infty < a < \infty$

Other:

شیب قائم علامت اسی

10
2

$$a \times \mu > 0$$



شیب

① شیب $\rightarrow \mu x + ax + b \rightarrow (\mu + a)x + b$
 $\mu + a > 0 \rightarrow a > -\mu$

$\mu x - ax - b \rightarrow (\mu - a)x - b$
 $\mu - a > 0$
 $\mu > a$

$\mu > a > -\mu$

شکل 4

$$1 = \frac{1}{a} \rightarrow a = 1$$



$$f(b) = 1 \quad \text{جایب امنی} = 1$$

$$\left| \frac{r+1}{r+3} \right| \xrightarrow{b+1} \frac{+b+1}{+b+3} = -1$$

$$b+1 = -b-3$$

$$2b = -4$$

$$b = -2$$

$$a - b = 3$$