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بردار به $\vec{u}$ یعنی به سطر i $\vec{u}$ است.

2)

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$$d) x^{\frac{1}{2} + \frac{1}{2} + \frac{1}{2}} + \frac{1}{x^{\frac{1}{2} + \frac{1}{2}}} - \frac{1}{x^{\frac{1}{2} + \frac{1}{2}}} = \left(x^{\frac{1}{2} + \frac{1}{2} + \frac{1}{2}} + \frac{1}{x^{\frac{1}{2} + \frac{1}{2}}} - \frac{1}{x^{\frac{1}{2} + \frac{1}{2}}} \right) = \left(\frac{1}{x^{\frac{1}{2} + \frac{1}{2}}} + \infty \right) \checkmark$$

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$x^1 = 1 \Rightarrow -\xi = y$
 $x^1 = +\infty \Rightarrow \eta = y$

$$x^r = +\infty \Rightarrow v = y$$

Q

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$$\frac{-y-1}{y-2} < 1 \Rightarrow \frac{-y-1}{y-2} + \frac{y-2}{y-2} < 0 \Rightarrow \frac{-y-1+y-2}{y-2} < 0 \Rightarrow \frac{-3}{y-2} < 0 \quad (2, +\infty) \cup \left[-\frac{1}{3}, 2\right]$$

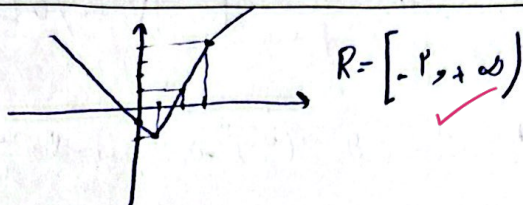
$$f(x) = \frac{(x - \frac{1}{4})^2}{(x - \frac{1}{4})^2 - \frac{9}{5}} \Rightarrow \begin{array}{l} x - \frac{1}{4} \rightarrow \infty \Rightarrow 1 \\ x - \frac{1}{4} \rightarrow 0 \Rightarrow 0 \end{array} \rightarrow f(0) = 1 \text{ در برحسب!}$$

$$R_1 = [0, 1]$$

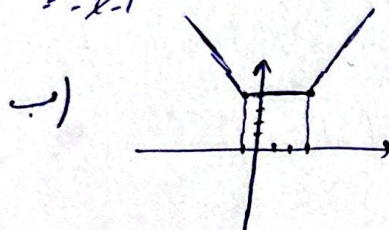
$$(x - \frac{1}{r})^2 \neq (x - \frac{1}{r})^2 + \frac{w}{s}$$

در اسفان کسری می / اصل در توصیف بده!

الف)
$$\begin{array}{c|c} 1 & 3 \\ \hline -2x+4+x-3 & 2x-4-x+3=2x-1 \\ \hline = -x+1 & \end{array}$$



$$R = [-1, 1, \infty)$$



$$R = [E, +\infty)$$

$$x - 2 + 4x + 4 = 1 \quad | \quad x - 2 - 4x - 4 = -2 \quad | \quad x - 2 - 4x - 4 = -2 \quad | \quad x - 2 - 4x - 4 = -2 \quad | \quad x - 2 - 4x - 4 = -2$$

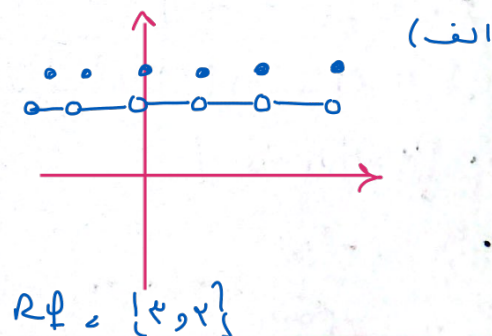
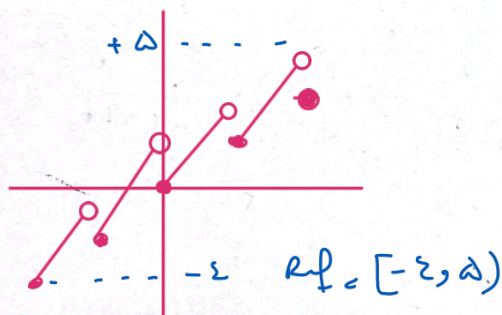
$$x + 4 \leq 1 \quad | \quad x + 4 \leq 1 \quad | \quad x + 4 \leq 1 \quad | \quad x + 4 \leq 1 \quad | \quad x + 4 \leq 1$$

$$x \leq -3 \quad | \quad x \leq -3 \quad | \quad x \leq -3 \quad | \quad x \leq -3 \quad | \quad x \leq -3$$

$$x \geq -1 \quad | \quad x \geq -1 \quad | \quad x \geq -1 \quad | \quad x \geq -1 \quad | \quad x \geq -1$$

$$x \geq \frac{1}{3} \quad | \quad x \geq \frac{1}{3} \quad | \quad x \geq \frac{1}{3} \quad | \quad x \geq \frac{1}{3} \quad | \quad x \geq \frac{1}{3}$$

$$\Delta \frac{1}{3} \leq x \leq 2 \quad | \quad \Delta \frac{1}{3} \leq x \leq 2 \quad | \quad \Delta \frac{1}{3} \leq x \leq 2 \quad | \quad \Delta \frac{1}{3} \leq x \leq 2 \quad | \quad \Delta \frac{1}{3} \leq x \leq 2$$



الف) $\begin{cases} \rightarrow \sin \gamma = 1 \Rightarrow 1 - 1 + 1 = 1 \\ \rightarrow \sin \gamma = -1 \Rightarrow 1 - (-1) + 1 = 3 \\ \rightarrow \sin \gamma = \frac{1}{\gamma} \Rightarrow \frac{1}{\frac{1}{\gamma}} - \frac{1}{\gamma} + 1 = \frac{\gamma}{\gamma} \end{cases} \Rightarrow \left[\frac{\gamma}{\gamma}, 3 \right] = R$

1) $\begin{cases} \sin^2 x = 0 \Rightarrow 1 \\ \sin^2 x = 1 \Rightarrow 1^2 \\ \sin^2 x = \frac{1}{4} \Rightarrow x \end{cases} \Rightarrow R = [1, \infty] \quad \checkmark$