

اعضای مرتب

$$g = \{(-1, 1), (0, 2), (1, 2)\} \quad f(x) = \sqrt{1-x^2} \quad -1$$

۵) $2g - 3f$ را مشخص کنید

$$g(-1) = 1$$

$$x = -1$$

$$f(-1) = \sqrt{1-(-1)^2} = \sqrt{0} = 0$$

$$g = 2(1) - 3(0) = 2$$

$$f(x) = \{(-1, 1), (0, 2), (1, 2)\}$$

$$x = 0$$

$$g(0) = 2$$

$$f(0) = \sqrt{1-0^2} = 1$$

$$2g - 3f = g = 2(2) - 3(1) = 4 - 3 = 1$$

$$2g - 3f = \{(1, 2), (0, 2), (1, 2)\} \quad x = 1$$

$$g(1) = 2$$

$$f(1) = \sqrt{1-1^2} = \sqrt{0} = 0$$

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$$= x = 1$$

$$g(1) = 2$$

$$f(1) = \sqrt{1-1^2} = 0$$

$$g = 2(2) - 3(0) = 4$$

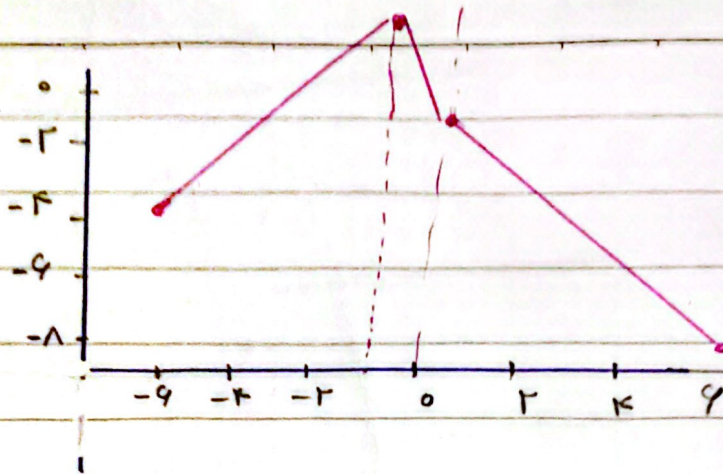
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$$\{2, 4, 4\} \leftarrow R$$

$$2 + 4 + 4 = 10$$

$$\frac{-1}{n+1} \mid -\frac{1}{n+1} \mid -\frac{1}{n+1}$$

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



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$$y = \frac{n^2 + 2n + m}{n+1}$$

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$$\frac{n^2 + 2n + m}{n+1} = n + 1 + \frac{m-1}{n+1}$$

$$y = n + 1 + \frac{m-1}{n+1} \rightarrow (m \geq 1)$$

$$y = \frac{n+1}{1}$$

$$n^2 + (2-y)n + m - y = 0 \rightarrow n = \frac{y-2 \pm \sqrt{(2-y)^2 - 4(m-y)}}{2} \rightarrow \dots$$

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$$\Delta y \rightarrow 1 > 0$$

$$\Delta x \rightarrow m < 1 \rightarrow$$

m نمره از 1 بزرگتر باشد

$$m = 1, 2, 3$$

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باران طاقه

Subject: _____

$$- \frac{K}{x-1} + \frac{K}{x-2} + \frac{K}{x-3} - \frac{K}{x-4}$$



$$1, 2, 3, 4 \quad x=2$$

$$\frac{1+3-x+4-2x}{1-x}$$

$$-Kx+4$$

$$x-1+x-2+x-3$$

$$3x-6$$

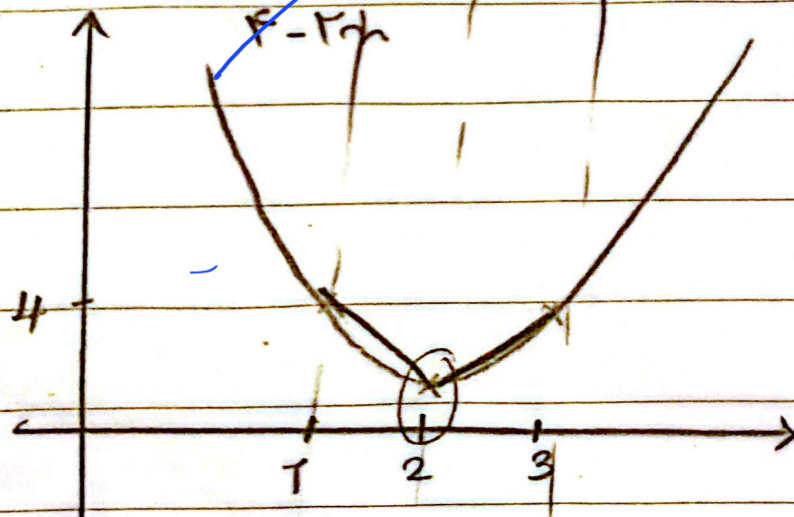
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$$x-1+x-2+x-3$$

$$3x-6$$

$$\frac{x-1+x-2+x-3}{3x-6}$$

$$x=2$$



$$x=2$$

$$f(2)=0$$



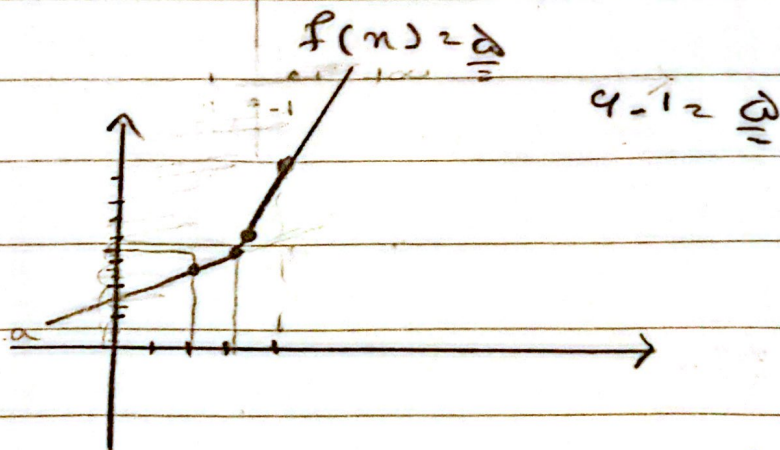
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③ نگاشته تابع $f(n) = 2n - 1$ بازه $[3, +\infty)$ و دامنه آن $\mathbb{R}$

$g(n) = \frac{1}{n}n + 3$ بازه $(-\infty, 3]$ بازه f و g متقابل
ممنوع کنید

$$n = 2n - 1 \rightarrow 2n = 1$$

$$n = \frac{1}{2}$$



$$n = 1 \rightarrow \frac{1}{2}$$

④ $\mathbb{R}$?

$$\left. \begin{array}{l} R_f = [a, +\infty) \\ R_g = (-\infty, 3] \end{array} \right\} U \rightarrow \mathbb{R} - (f, g)$$

$$\frac{1}{n} \times n + 3 = 3$$

$$\frac{1}{n} + 3 =$$

$$\frac{1}{n} + \frac{1}{n} = 1$$

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