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تسریع مقدار ۱۰

عرفان حاجی علیزاده

$$D_f = [-1, 1]$$

$$x=1 \rightarrow \sqrt{1-1} = 0$$

$$x=-1 \rightarrow \sqrt{1-1} = 0$$

$$x=0 \rightarrow \sqrt{1-0} = 1$$

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

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$$2x1 - 3x0 = 2$$

$$2x2 - 3x1 = 1$$

$$2x3 - 3x2 = 2$$

$$1 + 2 + 2 = 11 \checkmark$$

$$2x-1 \quad [3, +\infty)$$

$$2x3-1 = 1$$

$$R_f = [1, +\infty)$$

$$\frac{1}{2}x+3 \quad (-\infty, 3]$$

$$\frac{1}{2}x3+3 = 2$$

$$R_f = (-\infty, 2]$$

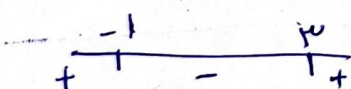
$$f \cup g = (-\infty, 2] \cup [1, +\infty) \checkmark$$

$$\left(\frac{-x^2}{2} + x + 3 > \frac{3}{2}\right) \times 2$$

$$-x^2 + 2x + 6 > 3$$

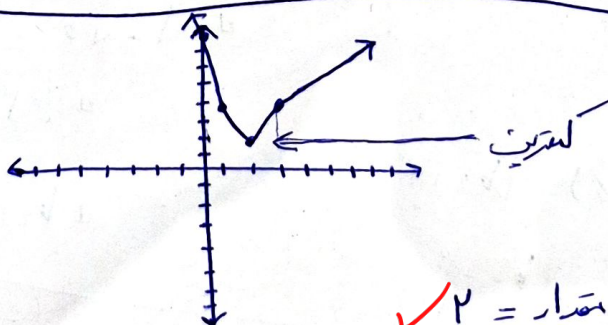
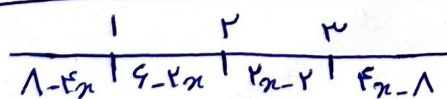
$$x^2 - 2x - 3 < 0$$

$$(x-3)(x+1) < 0$$

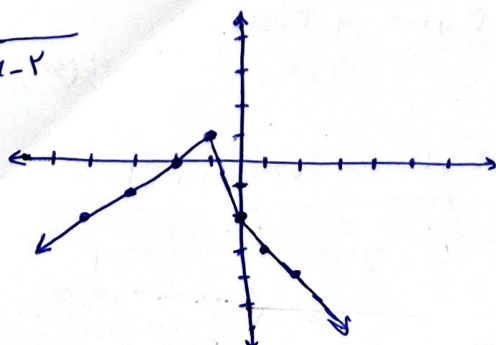
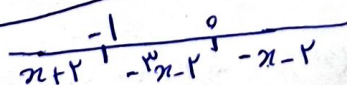


$$(a, b) = (-1, 3)$$

$$\sqrt{3-(-1)} = 2 \checkmark$$



$$\checkmark 2 = \text{تسریع مقدار}$$



$$R_f = (-\infty, 1] \checkmark$$

$$D_f = \mathbb{R} - \{-1\}$$

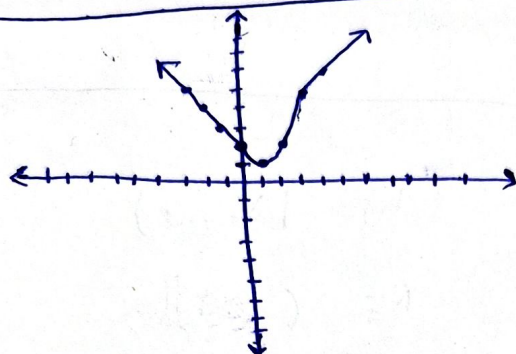
$$x^2 + \omega x + m = 0 \quad \text{بازای } x = -1$$

$$1 - \omega + m = 0$$

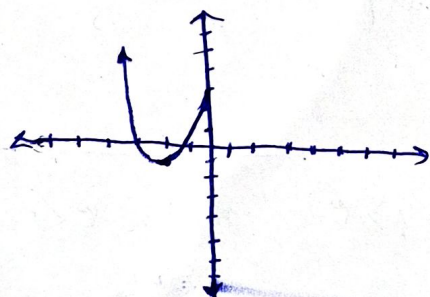
$$m = \omega - 1$$

پاسخ نه ...

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$$R_f = [1, +\infty) \quad \checkmark$$



$$R_f [x_n] - x_n = (-1, 0]$$

$$R_f = [-1, +\infty) \quad \checkmark$$

ایضاً
ملاحظه

$$x + 3 \geq 0$$

$$x \geq -3$$

$$x \geq -\frac{3}{2}$$

$$\left[-\frac{3}{2}, +\infty\right) = [b, +\infty)$$

$$b = -\frac{3}{2} \quad \checkmark$$

$$a + 1 - \sqrt{0} = 0$$

$$a = -1 \quad \checkmark$$

$$ab = -\frac{3}{2} \times (-1) = \frac{3}{2} \quad \checkmark$$

$$f(x) + g(x) = 3\sqrt{\sqrt{1-x} + \sqrt{1+x}} = 3\sqrt{1-x} + 3\sqrt{1+x}$$

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

$$\frac{f(x) - 2g(x)}{4} = \frac{3\sqrt{1-x} + 3\sqrt{1+x} - 2\sqrt{x+1} + 2\sqrt{1-x}}{4} = \frac{4\sqrt{1-x}}{4} = \sqrt{1-x} \quad \checkmark$$

$$D_f = [-1, 1]$$

$$\sqrt{1+1} = \sqrt{2}$$

$$\sqrt{1-1} = 0$$

$$R_f = [0, \sqrt{2}] \quad \checkmark$$