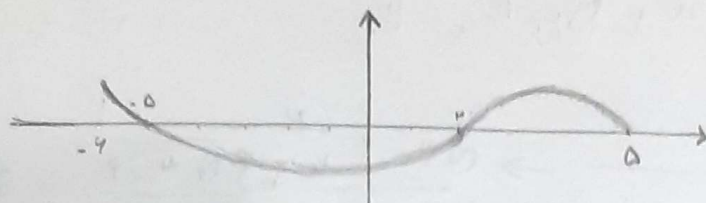


$$f(x) = y$$

$$y = \sqrt{x f(x)}$$



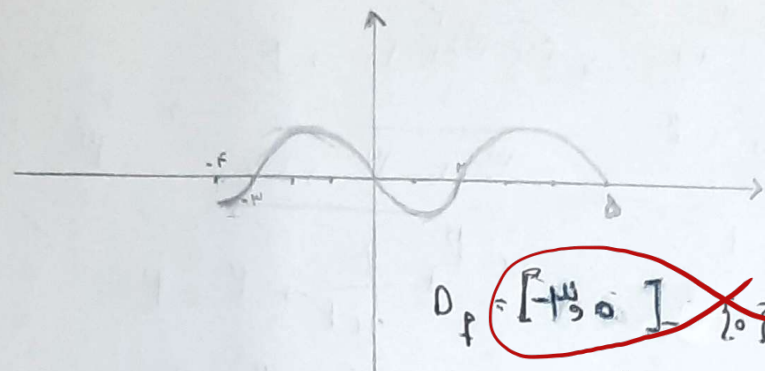
$$I \cap II = [4, 6]$$

$$\frac{\sqrt{x}}{I} \times \frac{\sqrt{f(x)}}{II}$$

$$(-\infty, +\infty)$$

$$[-4, -\infty) \cup [4, 6]$$

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$$D_f = [-4, 0]$$

$$\sqrt{-x} \rightarrow (-\infty, 0]$$

$$\sqrt{f(x)} \rightarrow [4, 6] \cup [-4, 0]$$

$$D_f = [-4, 0]$$

$$D_f = [-4, 0]$$

$$f(x) - y f(y) = x^2 - y^2 x + f$$

$$f(-y) = y$$

$$f(y) - y f(y) = \frac{f - y + f}{y}$$

$$-f(y) = y$$

$$f(y) = y$$

$$f(y) = y \rightarrow f(-y) - y = \frac{f - (-y) + f}{y}$$

$$f(-y) = 1$$

$$f(x) = \begin{cases} x - \sqrt{x} + f & : x > 0 \\ yx + y & : x \leq 0 \end{cases}$$

$$f(y) = f(f(y)) + f(f(1)) = y + y = 2y$$

$$y - \sqrt{y} = y \quad f(y) = y$$

$$y = 0 \rightarrow y$$

$$f(x) = ax^2 - bx + y$$

$$f(x-1) - f(x) = yx + y$$

$$x=1 \quad a-b=y$$

$$f(0) - f(1) = yx + y \rightarrow (a-b+y)$$

$$a-b=1$$

$$f(n) = n^p + f(n+1) \rightarrow f+1 \rightarrow (n+1)^p + 1$$

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

$$n^p + f(n+1) \rightarrow f+1 \rightarrow (n+1)^p + 1$$

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$$(\sqrt{p}-1)^p + f(\sqrt{p}-1) + 0$$

$$(\sqrt{p}-1)^p + f(\sqrt{p}-1) + 1$$

$$\frac{(n+1)^p + 1}{(n+1)^p + 1} \rightarrow \frac{(\sqrt{p})^p + 1}{p + 1} \rightarrow f$$

$$p + 1 \rightarrow 1$$

$$\frac{p}{p}$$

$$f(n - \frac{1}{n}) = \frac{n^p + 1}{n^p} \rightarrow n^p + \frac{1}{n^p} + 1 - 1$$

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$$f(-1) = \frac{n - \frac{1}{n} + (n - \frac{1}{n})^p + 1}{n - \frac{1}{n} - 1}$$

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

$$1 + 1 = 11$$

$$f(n) = \{ \dots, (1, 1), (2, 1), (3, 1), (4, 1) \}$$

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$$g(n) = \sqrt{9 - n^2} \rightarrow [-3, 3]$$

$$\frac{f}{g} = \frac{p}{\sqrt{p}} \rightarrow \frac{0}{\sqrt{0}} \rightarrow 0, 1, 2$$

باید جدول

$$\frac{g}{f} = \frac{p}{1} \rightarrow \frac{\sqrt{p}}{-1}$$

مجموعه نوشته شده ادو

شور!

$$f(n) = \{(1, 1), (2, 1), (3, 1), (4, 1)\}$$

$$f(n) = \{(1, 1), (2, 1), (3, 1), (4, 1)\}$$

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$$f(n) + 1 = \{(1, 2), (2, 2), (3, 2), (4, 2)\}$$

$$f(n) + 1 = \{(1, 2), (2, 2), (3, 2), (4, 2)\}$$

$$f(n) = \{(1, 1), (2, 1), (3, 1), (4, 1)\}$$

$$f(x) = \{ \underline{(2, 3)}, \underline{(7, 2)}, \underline{(1, 4)}, \underline{(3, 1)}, \underline{(5, 2)} \}$$

$$g(x) = \{ \underline{(1, 5)}, \underline{(2, 1)}, \underline{(-1, 4)}, \underline{(2, -3)}, \underline{(3, -1)} \}$$

الف ، $f - g = \{ (2, 2), (1, 4), (3, 2) \}$

ب) $\frac{f}{g} = \underline{\underline{\{(2, 4), (7, 4), (1, 8), (3, 2), (5, 2)\}}}$

✓ $\left\{ (2, 4), \text{مترتيب له} (1, 4), (3, -2) \right\}$