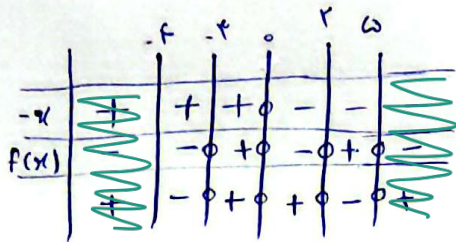


ارفا

بازرسی شد - ۱۰

تقریب - ۵ و ۴

$$D = [-5, 0], [2, 5]$$



$$D = (-5, 0) \cup (0, 2) \rightarrow -1, -2, 1 \rightarrow 3$$

$$x = 2 \rightarrow f(2) - 2f(2) = 4 - 4 + 2 = 2$$

$$f(2) = -2$$

$$x = -2 \rightarrow f(-2) - 2f(2) = 4 + 4 + 2 = 10$$

$$f(-2) + 2 = 10$$

$$f(-2) = 8$$

$$\frac{f(f(5))}{f(2)} + \frac{f(f(1))}{f(5)} = 9$$

$$f(1) = 5$$

$$f(5) = 5 - \sqrt{4} = 3$$

$$f(2) = 4 + 2 = 6$$

$$f(x-1) = a(x-1)^2 - b(x-1) + 2 \rightarrow a(x^2 - 2x + 1) - b(x-1) + 2 \rightarrow ax^2 - 2ax + a - bx + b + 2$$

$$f(x-1) - f(x) \rightarrow (ax^2 - 2ax + a - bx + b + 2) - (ax^2 + bx - 2) = f(x-1) - f(x) - 2ax + a + b = 4x + 2$$

$$\rightarrow a = -2$$

$$b = 5$$

$$a - b = -7$$

$$ab = -10$$

$$a + b = 3$$

$$\frac{V - \sqrt{4+V} + \sqrt{4-V} - 1 + \omega}{V - \sqrt{4+V} + \sqrt{4-V} - 1 + V} = \frac{4}{4} = \frac{V}{V}$$



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

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

$$(-3)^2 + 2 = 9 + 2 = 11$$



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$$g(x) = \{(-3, 0), (-2, \sqrt{5}), (-1, \sqrt{8}), (0, 3), (1, \sqrt{8}), (2, \sqrt{5}), (3, 0)\}$$

$$g(x) \rightarrow 4 - x^2 \geq 0 \rightarrow D = [-3, 3] \quad D_{tag} = \{0, 1, 2, 3\}$$

$$الف) \{(\check{2}, 0), (1, \frac{3}{\sqrt{5}}), (0, \frac{3}{\sqrt{8}}), (\cancel{3}, 1)\}$$

$$ب) \{(-3, 0), (-2, \sqrt{5}), (\cancel{-1}, \sqrt{8}), (0, \frac{3}{\sqrt{8}}), (1, \frac{3}{\sqrt{5}}), (2, 0)\}$$

$$ج = \{(1, -\frac{3}{\sqrt{5}}), (0, \frac{3}{\sqrt{8}})\}$$

$$الف) \{(\check{2}, \check{2}), (\check{3}, \check{8}), (\check{-5}, \check{4}), (1, \check{4})\}$$

$$ب) \{(\check{1}, \check{2}), (\check{3}, \check{8}), (\check{-5}, \check{4}), (\check{1}, \check{-1})\}$$

$$ج) \check{4} + \check{f(x)} + 1 = \{(\check{2}, \check{4}), (\check{3}, \check{49}), (\check{-5}, \check{13}), (1, \check{14})\}$$

$$د) f(2x) = \{(2, \frac{1}{2}), (3, 2), (-5, 1), (1, -1)\}$$

$$f(2x) = \{(1, 1), (\frac{5}{2}, 2), (-\frac{9}{2}, 2), (\frac{1}{2}, -2)\}$$

درایه اول را نصف میکنیم!

$$الف) \{(\check{2}, \check{2}), (1, \check{4}), (\check{3}, \check{4})\}$$

$$ب) \{(\check{2}, \check{4}), (\check{3}, \check{-2})\}$$



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