

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

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

$$g = \{(-1,0), (0,1), (1,0)\} \rightarrow f \circ g = \{(-1,0), (0,1), (1,0)\}$$

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$$f(x) = \frac{1}{x} \quad g(x) = \frac{1}{x} \quad f \circ g = \frac{1}{\frac{1}{x}} = x$$

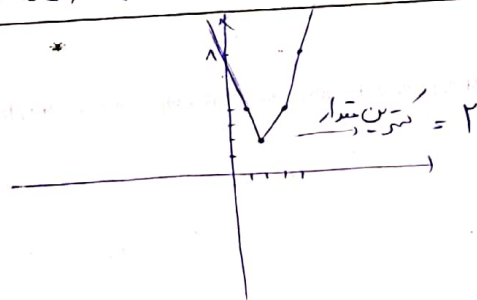
$$f(x) = \frac{1}{x} \quad g(x) = \frac{1}{x} \quad f \circ g = \frac{1}{\frac{1}{x}} = x$$

$$y = \frac{x^2}{x} + x + c = x + x + c = 2x + c$$

$$\frac{x^2}{x} + x + c = \frac{x^2}{x} + x + c \rightarrow \frac{x^2}{x} + x + c = \frac{x^2}{x} + x + c$$

$$\sqrt{b-a} = \sqrt{3-(-1)} = \sqrt{4} = 2$$

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

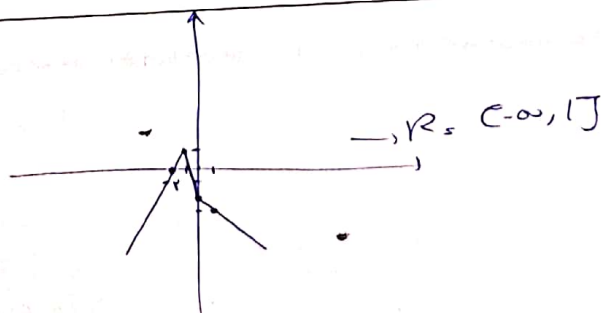


$$y = |x-1| + |x-2| + |x-3|$$

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$$y = |x| - 2|x+1|$$

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

$$y^2 + y_5 = x^2 + \omega u + 14$$

$$x^r_+(a-y)_{n-1} - y = 0 \quad \rightarrow \quad (a-y)^r + (n-y)$$

$$d \geq 0 \rightarrow x\Delta + y' - \log y \rightarrow f_m + f_y \geq 0.$$

$\Delta \quad m_{\min} = 20 + 9 - 30 - 12 + 14 \geq 0 \rightarrow -4m + 14 \geq 0 \rightarrow 4 \geq m \rightarrow m \leq 4$ اعداد صحیح $m \leq 4$
 $\Delta \quad m = 3$ $y = 3$ هم صورت و خروج صغری شود در $n = -1$ و به علاوه ساده کردن (این) درست و در $n = 2$ و $n = 3$ در این صورت $m = 3$ یا $m = 4$ یا $m = 5$

$$f_n) : \begin{cases} a+r & ; x \geq c \Rightarrow y = [0, +\infty) \\ x+r_{n+r} & ; x < c \\ |x|+r & ; x < 0 \end{cases} \rightarrow y = [1, \infty) \xrightarrow{u} y = [1, +\infty)$$

$$f(n) = \begin{cases} x^r + y^r + z^r & ; n \leq 0 \\ [y_n] - y_n & ; n > 0 \end{cases} \rightarrow R = [-1, +\infty)$$

$$x = \frac{b}{a} = \frac{-\frac{5}{r}}{r} = -\frac{5}{r^2} \rightarrow K = 1 + C(-1)$$

$$|y_n - [y_n]| \leq 1 \rightarrow -K[y_n] - y_n \leq 0 \rightarrow y_n \in (-1, 0]$$

$y = a + 1 - \sqrt{x+1}$ $\rightarrow$ nils $\rightarrow x_n + c \frac{1}{x} + \frac{1}{x^2} = \frac{r}{x}$
 nils $\rightarrow [b, +\infty) \rightarrow b = \frac{r}{x}$
 $x \rightarrow (-\infty, 0]$ a br $(-\frac{r}{x})$ k ε 's $-y$
 $a = \frac{r}{x} \rightarrow a = a + 1 - 0$ s as x

$$f(z) = \sqrt{2z+1} + \sqrt{1-z}$$

$$f(z) + g(z) = \sqrt{2z+1} + \sqrt{1-z} \rightarrow g(z) = \sqrt{2z+1} - f(z)$$

$$y = \frac{f(z)}{4} - \frac{g(z)}{4} = \frac{f(z)}{4} - \frac{1}{4}(\sqrt{2z+1} - f(z)) = \frac{f(z)}{4} + \frac{f(z)}{4} = \sqrt{2z+1}$$

$$\rightarrow z = -1 \rightarrow \sqrt{2(-1)+1} = \sqrt{-1} = i$$

$$\rightarrow z = 1 \rightarrow \sqrt{2(1)+1} = \sqrt{3}$$

$$\rightarrow R_0[-1, \sqrt{3}]$$