

Birlik

Yeni

$$f(x) = \left(\frac{1}{x}\right)^{x-1} \quad x=1 \quad \frac{1}{1+0} = 1$$

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

$$Df = \left[\begin{array}{c} 1 \\ -1 \end{array} \right] \quad \frac{1}{-1+0} = -1$$

$$f(x) = \sqrt{x+|x-1|} \quad -1$$

$$f(-x) = \sqrt{-x+|1-x|} \quad x+|1-x| \gg$$

$$Df = \left[\begin{array}{c} 1 \\ 0 \end{array} \right] \quad \frac{1}{1+0} = 1$$

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

$$Df = \left[\begin{array}{c} 1 \\ 1 \end{array} \right] \quad \frac{1}{1+1} = \frac{1}{2}$$

$$J_1 = \frac{1}{x^2 - \sqrt{x^2 - a^2 - b^2}} \quad D_1 = D_2 \Rightarrow x^2 - \sqrt{x^2 - a^2 - b^2}$$

$$J_2 = \frac{1}{x^2 + a^2 + b^2} \quad \Delta L_0$$

$$= (x^2 + a^2 + b^2)(x^2 + a^2 + b^2)$$

$$= x^4 + (a^2 + b^2)x^2 + (a^2 + b^2)^2$$

$$\sqrt{-(a+b)} = \sqrt{c} = 1$$

$$a+c \Rightarrow a = -c$$

$$a^2 + b^2 + c^2 = 1 \Rightarrow -c^2 + c^2 + b^2 = 1 \Rightarrow b^2 = 1 \Rightarrow b = \pm 1$$

$$-cd + b^2 = 1 \Rightarrow -c(-1) + 1 = 1 \Rightarrow c = 0$$

Subo

$$b = -1 \quad c = 1$$

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

$$-r = (-9f - 6) \quad -9n - 1$$

$$f(x) = a^x + x \rightarrow a(a^x + 1)$$

-a

$$y = \sqrt{f(x) - f\left(\frac{x}{2}\right)}$$

$$f(x) - f\left(\frac{x}{2}\right) > 0$$

$$Df = \left\{ (-r, 0) \cup (r, +\infty) \right\} \quad \begin{array}{ccc} -r & 0 & r \\ - & + & - \\ 1 & 1 & 1 \end{array}$$

$$f(r) + f(1)$$

$$f(x^2 - a) = x^2 - 1$$

-y

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

$$a = 1$$

$$f(r) = r^2 - 1 = 1$$

$$f(r) = 1$$

$$r + 1 = 1$$

$$a = r$$

$$f(1) = 1 - 1 = 0$$

$$f(1) = 0$$

r

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

$$f(x) = x^2 - 4x + 1 = (x-2)^2 + 1$$

-v

$$g(x) = x^2 + 9x + 1 = (x+4.5)^2 - 19.25$$

$$g(x) = x^2 + 9x + 1$$

g(x)

$$\frac{(x^2 - 4x + 1)^2}{(x^2 + 9x + 1)^2 + 1} = \frac{-1}{10} \quad (r)$$

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

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

-1

$$\sqrt{x-1} + 1 = \sqrt{x-1} + 1$$

$$\sqrt{x-1} - 1$$

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

$$f(x) - g(x) = \sqrt{x-1} + 1 - (\sqrt{x-1} + 1) = 0$$

$$\begin{array}{l} a = 0 \\ b = 1 \\ c = -1 \end{array}$$

$$\frac{y}{-x} = \left(-\frac{1}{y}\right)$$

$$g(a) = \{(2,1), (1,0), (3,0), (4,1)\} \quad f(a) = \frac{a+2}{a^2-2a+3} \quad a$$

1 و 3، ریشه مخرج

$$\frac{g}{f} = \left\{ \left(2, -\frac{1}{4}\right), \left(1, \frac{1}{2}\right), (0, 4) \right\}$$

$$x \rightarrow \frac{x}{-1} = -x$$

$$\frac{x}{3} \quad \frac{1}{12} \rightarrow \frac{1}{12}$$

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

$$g(a) = \{(-2,3), (1,-1), (2,2), (-1,0)\}$$

$$f(2a) = \left\{ \left(\frac{1}{2}, 2\right), \left(\frac{3}{2}, -1\right), (2, 2), \left(-\frac{1}{2}, 4\right) \right\}$$

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

$$g^2(a)+1 = \{(-2,19), (1,3), (2,9), (-1,1)\}$$

$$\frac{x+1}{g} = \{(1,-4), (2,-1)\}$$