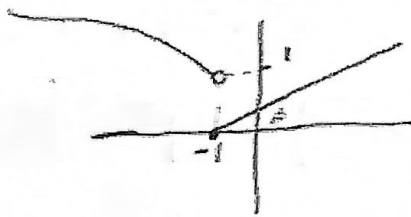


B. $\lambda = 0$

$$y = \begin{cases} xy-1 & y > 0 \\ -y^2 & y < 0 \end{cases}$$



تابع

Graph of the function

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

$$-\frac{1}{x} + \frac{1}{x} - \frac{1}{x} + \frac{1}{x} - \frac{1}{x} + \frac{1}{x}$$

$$D_f = (-\infty, -1] \cup [0, 1] \cup (1, +\infty)$$

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

$$D_f = \mathbb{R} - \{0, 1, -1\}$$

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

$$-\frac{1}{x} + \frac{1}{x} - \frac{1}{x} + \frac{1}{x}$$

$$D_f = (-\infty, -1) \cup (1, +\infty)$$

$$f(x) = \sqrt{\frac{x-1}{x^2-x^2-1}}$$

$$-\frac{1}{x} + \frac{1}{x} + \frac{1}{x}$$

$$x^2 - x^2 - 1$$

$$\frac{x^2 - 1}{x} \Rightarrow x = \pm 1$$

$$D_f = (-\infty, -1) \cup (1, +\infty)$$

$$y = \frac{x^2 + 1}{x - x}$$

$$[x] \neq 1$$

$$-1 < x < 1$$

$$D_f = \mathbb{R} - (-1, 1)$$

$$f(x) = \frac{\sqrt{x(x^2-1)}}{\sqrt{|x|+x}}$$

$$-\frac{1}{x} + \frac{1}{x} - \frac{1}{x} + \frac{1}{x}$$

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

$$f(x) = \frac{\sqrt{|x-1| - x^2}}{|x|-1}$$

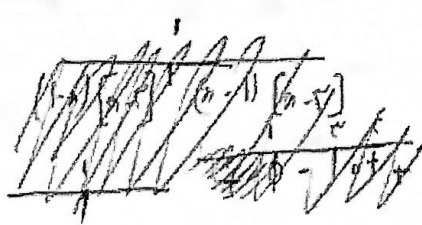
$$\frac{x^2 - x^2 - 1}{x - x - x^2} \Rightarrow \Delta < 0$$

$$D_f = [-1, -1] \cup (1, 1)$$

$$y = \sqrt{(x-1)(x-1)}$$

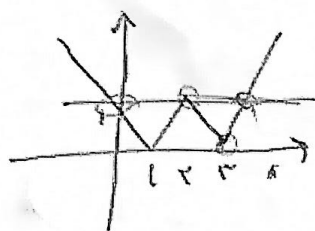
$$\frac{x^2 - x^2}{x - x + x} \Rightarrow D_f = \mathbb{R}$$

$$y = \sqrt{|x-1|} [x, x]$$



$$D_f = \{1\} \cup [x, +\infty)$$

$$y = \frac{1}{|k-r|-1-k}$$



$$\begin{array}{c|c} \frac{1}{|k-r|-1-k} & \frac{1}{|k-r|-1-k} \\ \hline \frac{1}{|k-r|-1-k} & \frac{1}{|k-r|-1-k} \end{array}$$

$$k=1-k$$

$$k=r-k$$

$$k=-1-k$$

$$k=-r-k$$

$$\Rightarrow |k| \leq 1$$

~~AB-155~~

~~AC-155~~

~~1-155~~

$$\frac{\frac{\lambda^r + \lambda_r r}{\lambda^r r \lambda_r r}}{\frac{\lambda+1}{\lambda-1}} \Rightarrow \lambda \neq -r, -1 \rightarrow \underline{\lambda=1}$$

$$\lambda^r - 4\lambda_r r = 0 \rightarrow (\lambda - r)^r = 0$$

$$\lambda = r$$

مميز، 1

Δ=0

$$\log_{k+1} \log \frac{1}{k}$$

$$\log \frac{1}{n}$$

$$1 > n$$

$$n > 1$$

$$\frac{1}{r} < 1$$

$$\frac{1}{r} > 1$$

$$D_f = (0, 1)$$

$$D_f = [-\omega, r] \rightarrow -\omega \leq \lambda \leq r$$

$$f(r\lambda-1) \rightarrow -\omega \leq r\lambda-1 \leq r$$

$$r\lambda-1 \leq r \rightarrow \lambda \leq \frac{r}{r}$$

$$\frac{r}{r} \leq \lambda \leq \frac{r}{r}$$

$$D_f = \left[-\frac{r}{r}, \frac{r}{r}\right]$$