

$$n^2 - n = 2 \Rightarrow n^2 - n - 2 = 0 \quad (n-2)(n+1) = 0$$

$$n = 2$$

$$n = 2 \Rightarrow$$

$$n = -1 \Rightarrow (-1, 0) \text{ و } (-1, 1)$$

$$1) \quad n = 2 \rightarrow (1, 2) = (m, 2)$$

$$(-1, 1) = (a, 1) \rightarrow a = -1$$

$$(1, 0) = (1, 2) \rightarrow n = 2$$

$$n = 1 \Rightarrow 0 \leq 2$$

$$n = 0 \leq 1$$



$$a = 1 \leq 2 \rightarrow 0 \leq 2$$



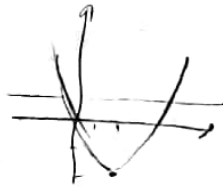
$$2) \quad y = n^2 + 1 \rightarrow$$



نقطة

$$n = 1 \Rightarrow 1 = 1 \Rightarrow n = 1$$

$$3) \quad y = \frac{n^2 - 2n + 1}{(n-1)^2}$$



نقطة

$$4) \quad y = \frac{nx+1}{n-1}$$

$$n=0 \Rightarrow y = -1$$



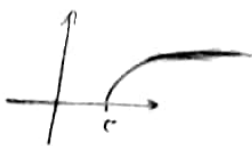
نقطة

$$5) \quad n = \frac{ny+1}{y-1} \rightarrow y = \frac{ny+1}{n-1}$$

$$6) \quad y = \frac{2+(n)}{n+1} \quad f(n) \Rightarrow y = 1$$

نقطة

$$7) \quad y = \sqrt{a-x}$$



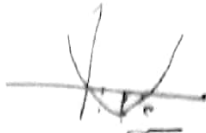
نقطة

$$n = \sqrt{y-a} \Rightarrow a-x=y$$

$$y = (u - u_0) / (u - 1)$$

$$h = 2, \quad \gamma = 2, \quad \alpha = 1$$

$$r d / \frac{h}{r a} = r$$


$$n \in [1, \infty)$$

$$4 = \frac{x^2 - \varepsilon x + c_{n+1} - 1}{(x-1)^2} \rightarrow f_1 = \sqrt{x+1} = x-1 \quad f_n = \sqrt{x+1} + c = x-1, f_{n+1} = \sqrt{x+1} + c = y$$

$$Df_{(n)} = R_{f_{(n)}}^{-1} \rightarrow r \leq \sqrt{x+1} + r \rightarrow r \leq \sqrt{x+1} \rightarrow -1 \leq x$$

$$f(n) = n + \sqrt{n} \sim n + \sqrt{n} + \frac{1}{2} - \frac{1}{2}$$

$$y = \left(\sqrt{x + \frac{1}{2}} \right)' - \frac{1}{2} \rightarrow \sqrt{x + \frac{1}{2}} - \frac{1}{2} = x \rightarrow \sqrt{x + \frac{1}{2}} - \frac{1}{2} = y$$

$$\frac{1}{x} < \sqrt{x + \frac{1}{2}} \rightarrow \frac{1}{x^2} < x + \frac{1}{2} \rightarrow \dots \quad y = \sqrt{x + \frac{1}{2}} - \frac{1}{x}$$

$$a = 0 \quad b = \frac{1}{\sum}$$

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

$$g_{(n)} = \sqrt{n-1}$$

$$f(-\frac{r}{\theta}) = g^{-1}(-\frac{r}{\theta})$$

-9

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

con
n.c.

$$f_{(n)}^{-1} = x = \frac{y}{1+y^2} \Rightarrow y = \frac{-x}{n-1}$$

$$f_{(n)}^{-1} = x = \frac{y}{1+y^2} = y = \frac{x}{n-1} \Rightarrow y = \frac{-\frac{r}{\theta}}{-\frac{r}{\theta}} = \frac{r}{r}$$

$$g_{(n)}^{-1} = y = \sqrt{n-1}$$

$$\rightarrow g_{(n)}^{-1} = x = \sqrt{y-1} \rightarrow (x+1)^2 = y$$

$$\frac{-\frac{r}{\theta}}{\frac{r}{\theta}}$$

$$f(-\frac{r}{\theta}) = g^{-1}(-\frac{r}{\theta}) = \frac{r}{r} = \frac{r}{\theta}$$

$$x = t$$



$$f_{(n)}^{-1} = \sqrt{n-1}$$

$$g_{(n)} = f_{(n)} + \sqrt{f_{(n)}}$$

$$g_{(n)}^{-1}$$

-10

$$\frac{g_{(n)}}{f_{(n)}} = n^{\frac{1}{n+1}} + \sqrt{n^{\frac{1}{n+1}}}$$

$$\rightarrow n^{\frac{1}{n+1}} = 1 \rightarrow n = 1$$

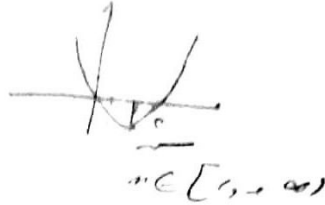
$$f_{(n)}^{-1} = y = \sqrt{n-1}$$

$$\rightarrow f_{(n)} = x = \sqrt{y-1} \Rightarrow y = n^{\frac{1}{n+1}}$$

$$7) \quad y = (n-1)(n+1)$$

$$y = x^2 - 1 \quad x \in \mathbb{R}$$

$$x \in \mathbb{R} \quad y = x^2 - 1$$



Uppercase

$$y = x^2 - 1 \quad x \in \mathbb{R} \quad \rightarrow \quad f(x) = \sqrt{x+1} = x-1 \quad f(x) = \sqrt{x+1} + 1 = y$$

$$D_{f(x)} = R_{f(x)} \quad \rightarrow \quad x \leq \sqrt{x+1} + 1 \quad \rightarrow \quad x \leq \sqrt{x+1} \quad \rightarrow \quad -1 \leq x$$

$$f(x) = x + \sqrt{x} \quad \rightarrow \quad x + \sqrt{x} = \frac{1}{2} - \frac{1}{2}$$

$$y = \left(\sqrt{x + \frac{1}{2}} \right) - \frac{1}{2} \quad \rightarrow \quad \sqrt{x + \frac{1}{2}} - \frac{1}{2} = x \quad \rightarrow \quad \sqrt{x + \frac{1}{2}} - \frac{1}{2} = y$$

$$\frac{1}{2} < \sqrt{x + \frac{1}{2}} \quad \rightarrow \quad \frac{1}{2} < x + \frac{1}{2} \quad \rightarrow \quad x > 0 \quad y = \sqrt{x + \frac{1}{2}} - \frac{1}{2}$$

$$a = 0 \quad b = +\frac{1}{2}$$