

$$y = \sqrt{\frac{n^r - k + r}{n^k - 1}} \geq 1 \Rightarrow \frac{1}{-1} \leq \frac{1}{+1} \quad D_f = [r, +\infty)$$

$$b) y = \sqrt[n]{\frac{n^x - 1}{n^x - 1}} \Rightarrow \frac{n^x - 1}{(n-1)(n+1)} \neq 0 \quad D_f = \{x \in \mathbb{R} \mid x \neq \pm 1\}$$

اني $y = \log(m^r - c_m)$ $m^r - c_m > 0$ $m(m - c) > 0$ $\frac{0}{+ \quad - \quad +}$ $\mathcal{M} = (\omega, 0) \cup (c, +\infty)$

[illegible]

$$e) y = \log \frac{n^r - Vn + 1r}{n-c} \quad \frac{n^r - Vn + 1r}{n-c} > \frac{(n-c)(n-c)}{n-c} > \frac{r}{-1+1} \quad D_f = (t, 1) - \{q\}$$

$10^{-n} \cdot m \neq 1 \Rightarrow (10^{-n} \cdot m) \neq 1$
 $y = \sqrt{m^2 - 11m + 21} + \log m$
 $y = m^2 - m$
 $\frac{1}{m} (\frac{1}{m} - 1)$
 $\frac{1}{m} : \frac{1}{m} \cdot \frac{1}{m} = \frac{1}{m^2}$
 $Df = (-\infty, -1) \cup [1, +\infty)$

$$y = \frac{n^x - n}{n^x + n} = \frac{\frac{1}{n}(n^x - 1)}{\frac{1}{n}(n^x + 1)} \quad \text{Zur: } \frac{1}{1} \frac{1}{1} \frac{1}{1} \frac{1}{1} \quad D_f = (-\infty, -1) \cup [1, +\infty)$$

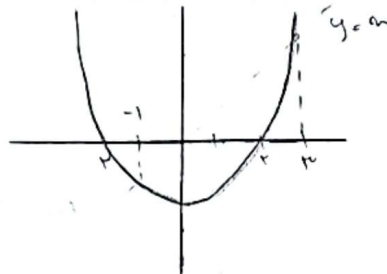
$\vec{C}_1$
 $\vec{C}_2$

	-1	0	-1
$\vec{C}_1$	+	+	-
$\vec{C}_2$	+	-	+
$\vec{C}_3$	+	-	+

$\vec{C}_1 = (-\infty, -1) \cup (-1, \infty)$

$$y = \sqrt{\frac{n - f(n)}{f(n)}} \geq \frac{r}{-r} \Rightarrow n = f(n) \Rightarrow n \in \bigcup_{-r}^r$$

$$N_f = (-2, -1] \cup (4, 4]$$



$$i) f(n+1)$$

$$\hookrightarrow f(n-1)$$

$$\sum 1 - f(m)$$

$$2) f(n+1) + r$$

