

Beschriftung

Ergebnis

$$y = x^r - r x^{r-1} + r x \quad Rf = R \quad y = (x-1)^r + 1 \rightarrow y-1 = (x-1)^r$$

$$y = \frac{1}{x^r - r x}$$

$$y x^r - r y x = 1$$

$$y x^r + r y^{r-1} + r y^r = r y (y+1)$$

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

$$\sqrt[r]{y-1} + 1 = x$$

$$Rf = R$$

$$y = x^r - r x + 1$$

$$\frac{r}{x} = r$$

$$[r, +\infty)$$

$$y_{min} = 1$$

$$y = -x^r + r x + 1$$

$$\frac{-r}{-x} = r$$

$$y_{min} = 1$$

$$[r, +\infty)$$

$$y = \sqrt{x^r - r x}$$

$$\frac{r}{x} = r$$

$$[0, +\infty)$$

$$y = \sqrt{r x - x^r}$$

$$\frac{r}{x} = r$$

$$[0, r]$$

$$y = x^r - r x^{r-1} + r x + 1$$

$$R$$

$$y = \sqrt{x^r - r x^{r-1} + r x + 1}$$

$$[0, +\infty)$$

$$y = x^r - r x^{r-1} + r x + 1$$

$$R$$

$$y = (x^r - r x^{r-1} + r x + 1)^r$$

$$R [0, +\infty)$$

$$y = \frac{r x + 1}{x - r}$$

$$R - \{r\}$$

$$y = \sqrt{\frac{r x + 1}{x - r}}$$

$$[0, +\infty) - \{r\}$$

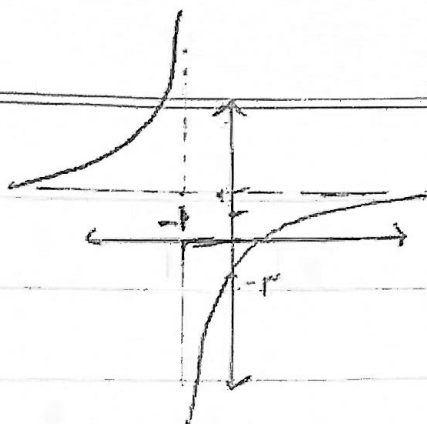
$$y = \frac{r x + 1}{x + 1}$$

$$R - \{r\}$$

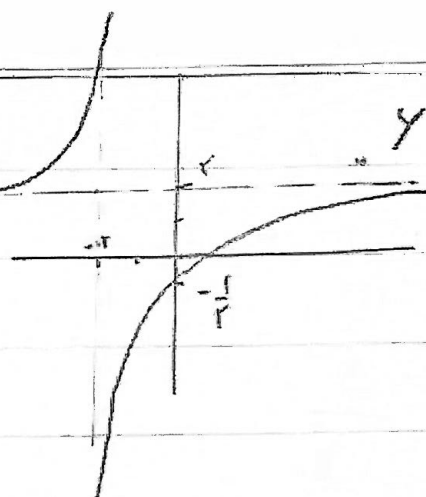
$$y = \sqrt{\frac{r x + 1}{x + 1}}$$

$$[0, +\infty)$$

$$y = \frac{r_2 - r}{2 + 1}$$



$$y = \frac{r_2 - 1}{2 + r}$$



$$y = \sin 2r \cdot \frac{1}{\sin 2r} \quad (-\infty, -r] \cup [r, +\infty)$$

$$y = \frac{a^r + 1}{a^r} = a^r + \frac{1}{a^r} \quad (-\infty, -r] \cup [r, +\infty)$$

$$y = \frac{\sqrt{a^r} + 1}{\sqrt{a^r}} \quad \sqrt{a} + \frac{1}{\sqrt{a}} = (-\infty, -r] \cup [r, +\infty)$$

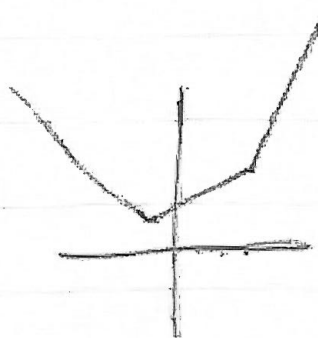
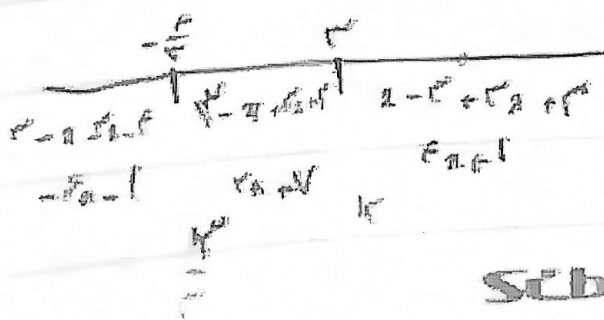
$$y = \sqrt{a} \cdot \frac{1}{\sqrt{a}} \quad [r, +\infty)$$

$$y = a^r + \frac{1}{a^r} \Rightarrow y = a^r + \frac{1}{a^r} \quad (-\infty, -r] \cup [r, +\infty)$$

$$a = \frac{1}{a} \Rightarrow r = -r \quad a = \frac{1}{a} \Rightarrow r = -r \quad (-\infty, -r] \cup [r, +\infty)$$

$$\frac{a^r + \omega}{\sqrt{a^r + r}} \Rightarrow \frac{a^r + \omega}{\sqrt{a^r + r}} = \frac{1}{\sqrt{a^r + r}} \quad \left[\frac{\omega}{r}, +\infty\right)$$

$$y = |a - r| + |r_2 r|$$



$$y = |a - r| + |a + r|$$

-1

$r_a > y$	$r_a > r$	$\left\{ \begin{array}{l} r_a > a > r \\ r_a > a > r \\ r_a > a > r \end{array} \right.$
$r_a < y$	$r_a < r$	
$-r_a > r$	$-r_a > r$	

$$Rf = [r + \infty)$$

$$y, |r_a - r| - |a_r|$$

$r - r > -r$	$r_a - r - a - 1 = 0.5$	$r_a > 1$
$-r < -r_a > (r$	$r - r_a - a - 1 = -r_a > 1$	$r < -1$
$-r_a > r$	$r - r_a > a > 1 = -2r > 0$	$r < -1$

$$Rf = [-r + \infty)$$