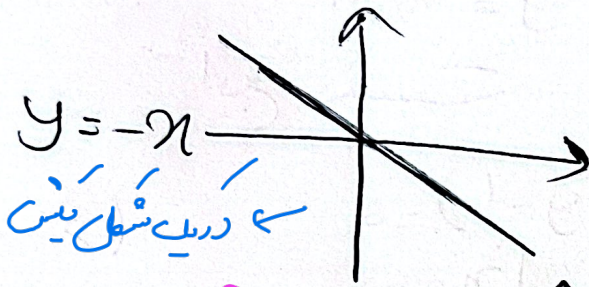


B μ $\rightarrow$ $a^2 = a^2 + \mu \rightarrow a^2 - 2a + \mu = 0$ آرینکا اعتمادی مقدر

$(a-1)(a-\mu) = 0$

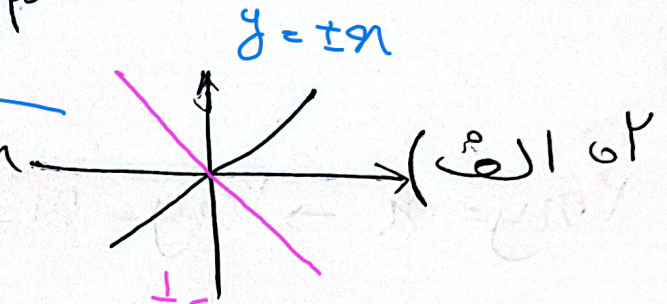
$a < \mu$



تابع نیست

$y = x$

دارد



$|y| + \sqrt{x-1} = 0$
 حدود و ناخن می پس
 $0 = y = x$

یا

$|y-1| = \sqrt{x-2}$

$y-1 = \pm \sqrt{x-2}$

$y = 1 \pm \sqrt{x-2}$ تابع نیست

$y^5 - y = \frac{x^2}{2} \xrightarrow{x=0} y^5 - y = 0$

$y(y^4 - 1) = 0$

$y(y-1)(y+1)(y^2+1) = 0$

$y = -1, 0, 1 \leftarrow$ تابع نیست

$$\sin^2 x + \cos^2 y = 1 \quad (ج)$$

$$\sin^2 x = 1 - \cos^2 y \xrightarrow{n=0} \cos^2 \frac{y}{2} = 1$$

$$y = 0, 2\pi, \dots$$

تابع نیست

$$2ny = n \rightarrow 2ny - n = 0 \rightarrow n(2y - 1) = 0 \quad (د)$$

$$\downarrow n=0$$

هر مقدار از $y \Rightarrow 2y - 1$ تابع نیست
صحیح است

الف)

$$|y - 1| = \sqrt{1 - x^2} \rightarrow y = 1 \pm \sqrt{1 - x^2} \quad (ک)$$

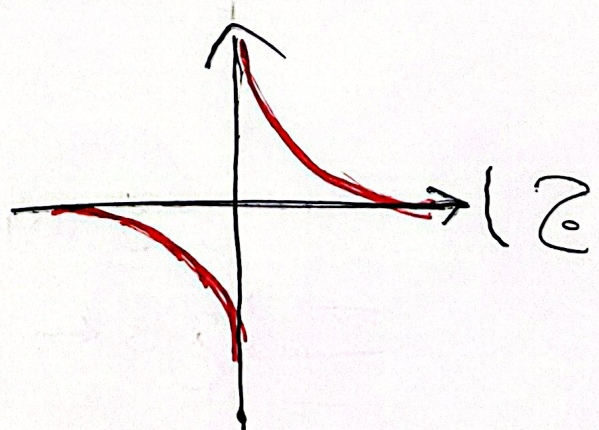
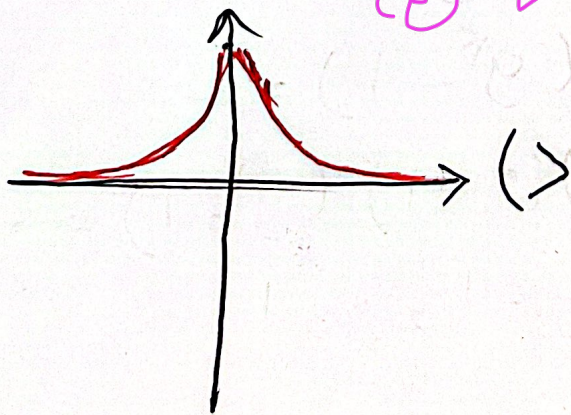
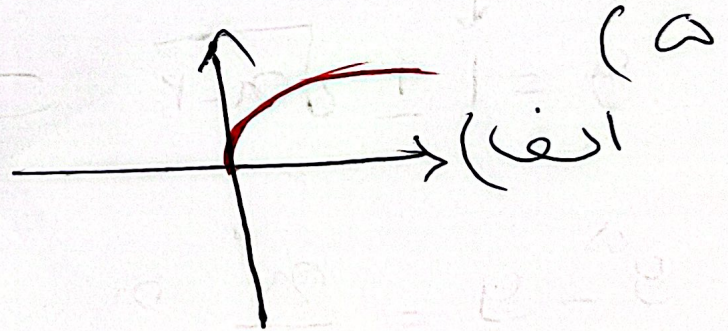
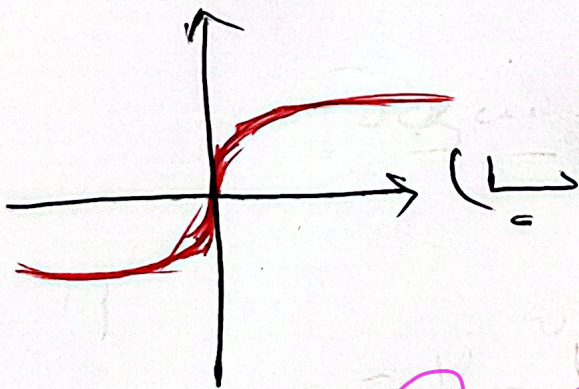
$$n=1$$

مثال نقض بزن

تابع نیست

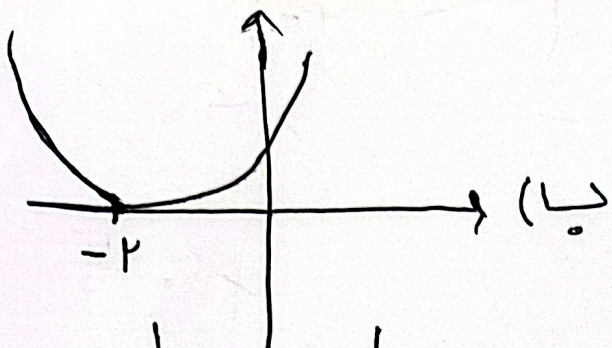
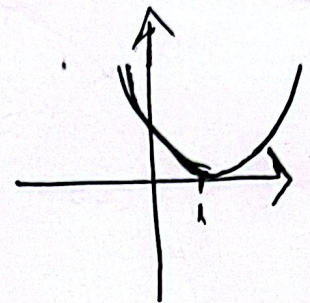
$$y^5 = -x \rightarrow y = \sqrt[5]{-x} \quad (پ)$$

تابع است

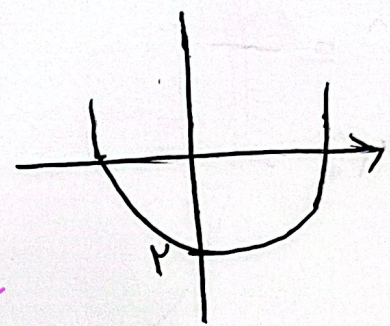


(٩)

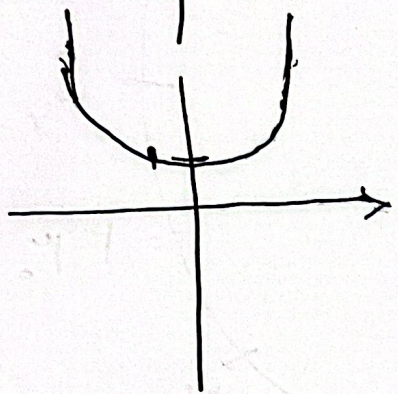
الف)



ج)



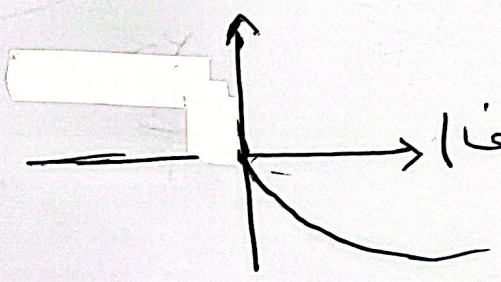
د)



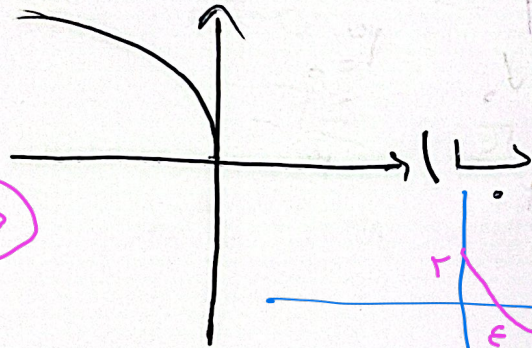
٢ ✓

١٠

الف)

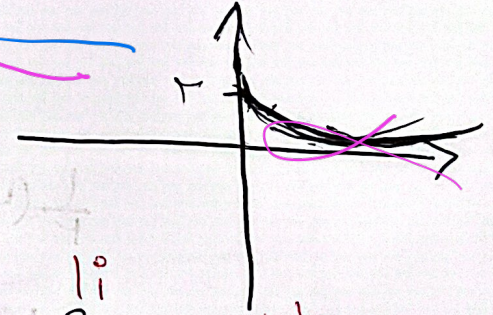


ب)

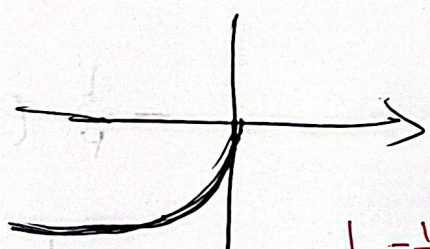


١١٨٥

ج)

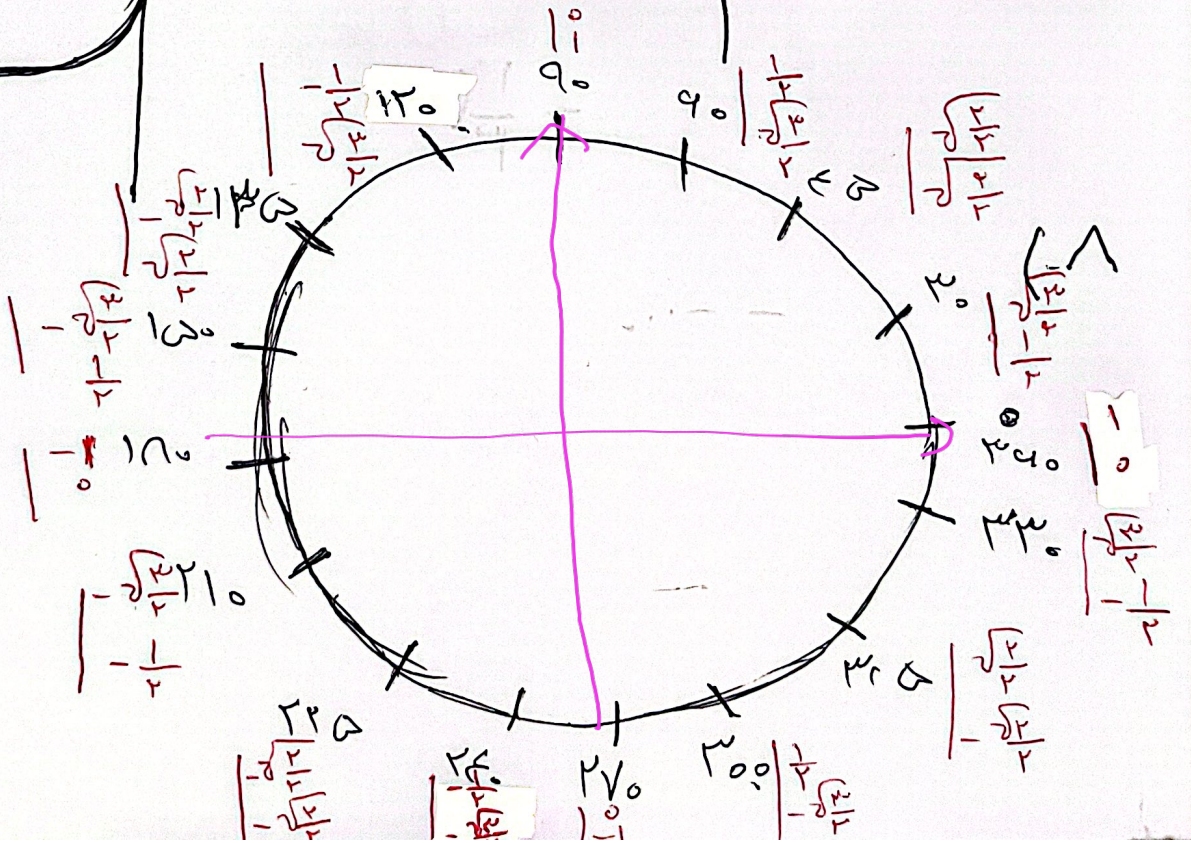


د)



محاور متقاطعات زمین

١١٨٥



محاور تحقیقات ریسمان

۱، ۱/۲

π ۱۸۰

$\frac{5\pi}{4}$ ۲۱۰

$\frac{3\pi}{4}$ ۲۲۵

~~$\frac{4\pi}{3}$ ۲۴۰~~

$\frac{3\pi}{2}$ ۲۷۰

$\frac{5\pi}{4}$ ۳۱۵

$\frac{7\pi}{4}$ ۳۳۰

$\frac{11\pi}{4}$ ۳۰۰

$\frac{7\pi}{4}$ ۳۳۰

$\frac{\pi}{4}$ ۴۵

$\frac{\pi}{2}$ ۹۰

$\frac{13\pi}{4}$ ۳۱۵

۱۹

۳

✓

$\frac{1}{r}(\dots)$

$-\frac{1}{r}(\dots)$

$-\frac{1}{r}(\dots)$

$\frac{1}{r}(\dots)$