

نام خدا

اصولی اسماعیلی فرز دوازدهم سیر A

الف) $-\sum k^3 n - 2 k^2 \rightarrow \frac{1}{3} k^3 n + \frac{2}{3} k^2 \rightarrow D_f(n, r) = \left[-\frac{2}{3}, \frac{4}{3} \right]$

ب) $-\sum k^3 n - 2 \rightarrow -14 k^3 n - 2 k - 1 \rightarrow D_f = [-14, -1]$

$x \rightarrow x-2 : x-2+\sqrt{x-2}=y$

$x \rightarrow y :$

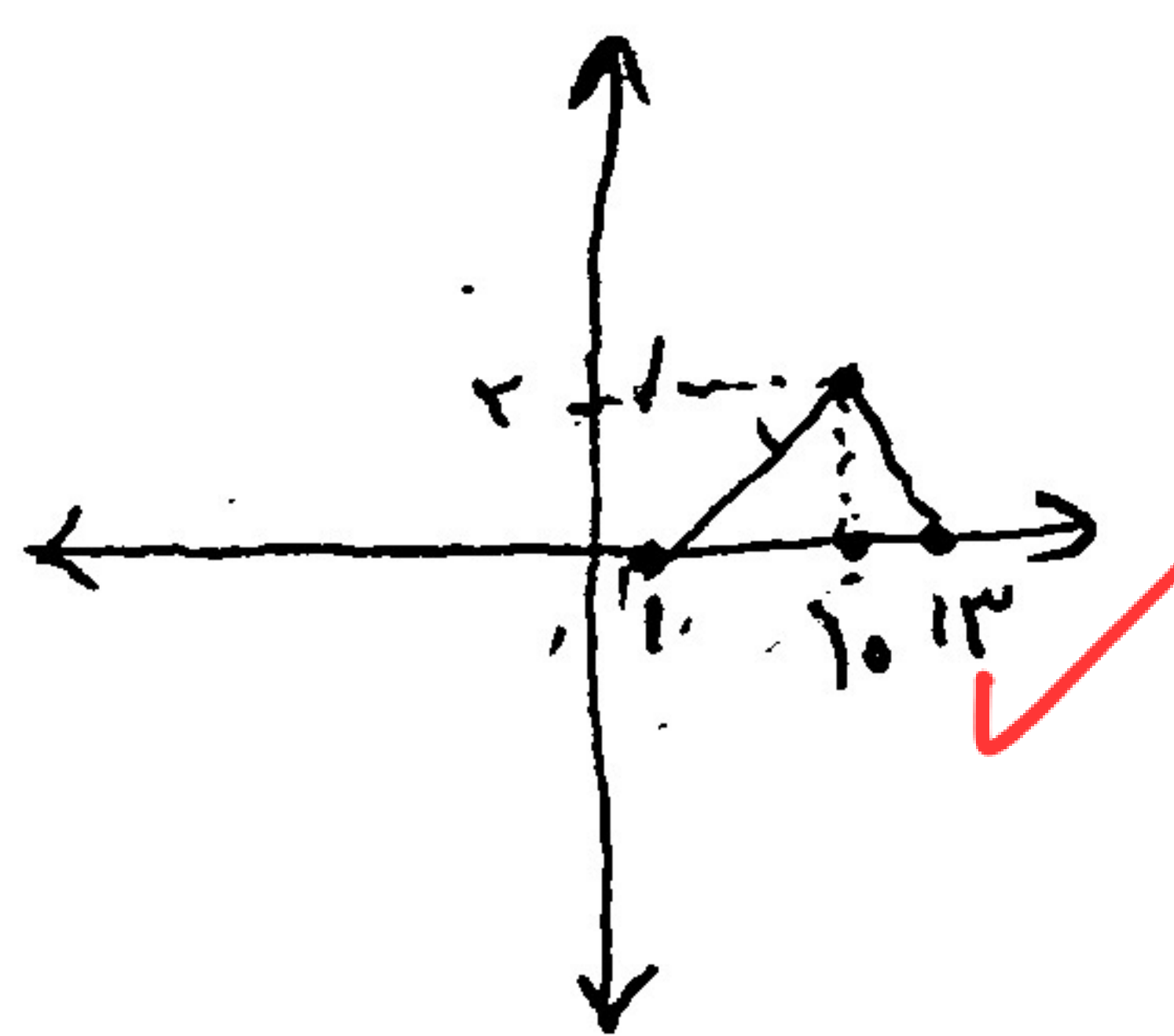
عوض کردن x در y
تأییدی به این کار نیست چون تابع f سینسار را
تا جایی که نقطه ای قطع می کند f^{-1} قطع می کند

$x-2+\sqrt{x-2}=x$

$\rightarrow \varepsilon = x-2 \rightarrow x = \varepsilon + 2$

$A \mid \begin{matrix} 1 \\ 1 \end{matrix} \quad y=1$

مسیرها
 $x=4 \xrightarrow{\text{مسافر}} x=13$
 $x=0 \xrightarrow{\text{مسافر}} x=1$
 $A \mid \begin{matrix} 13 \\ 1 \end{matrix} \rightarrow A' \mid \begin{matrix} 10 \\ 2 \end{matrix}$



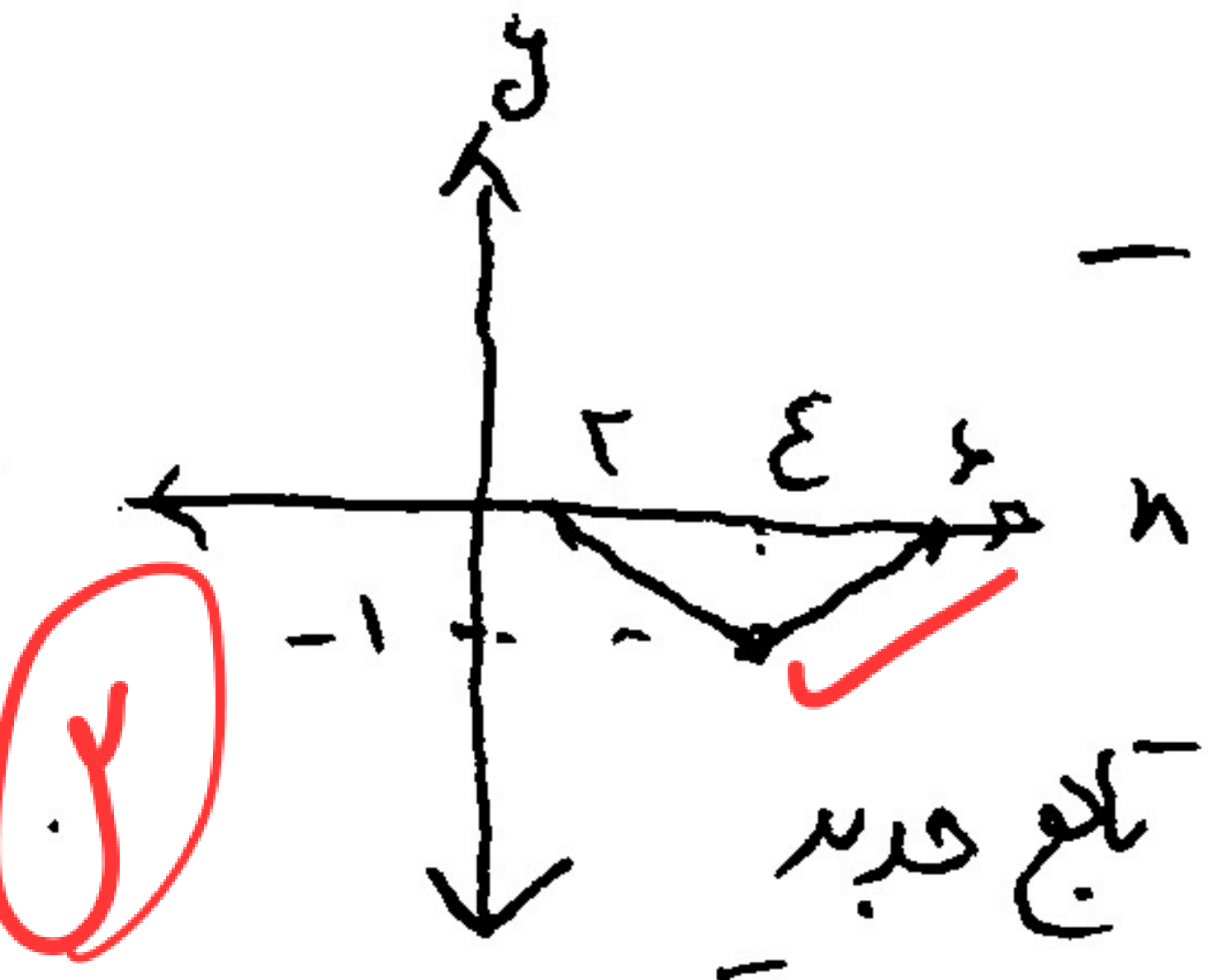
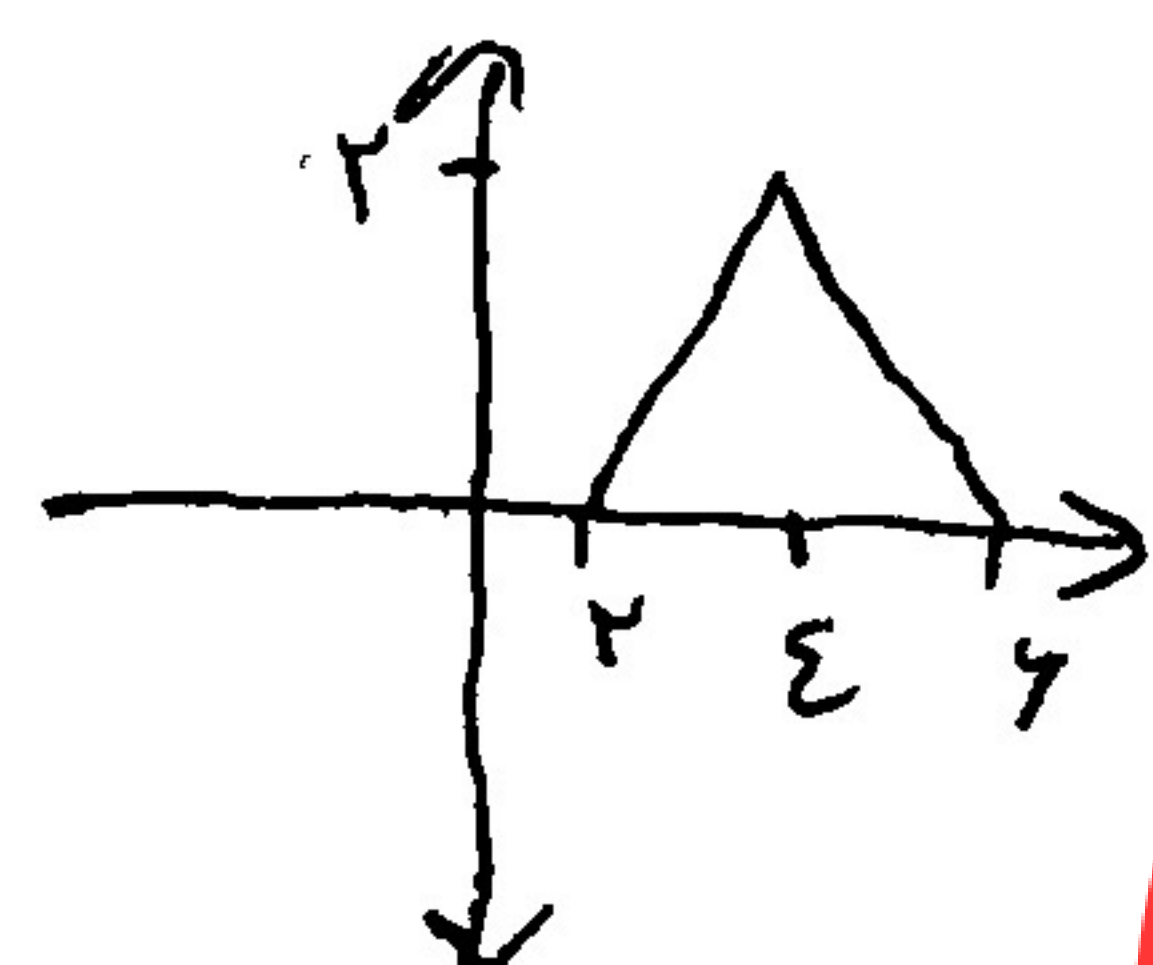
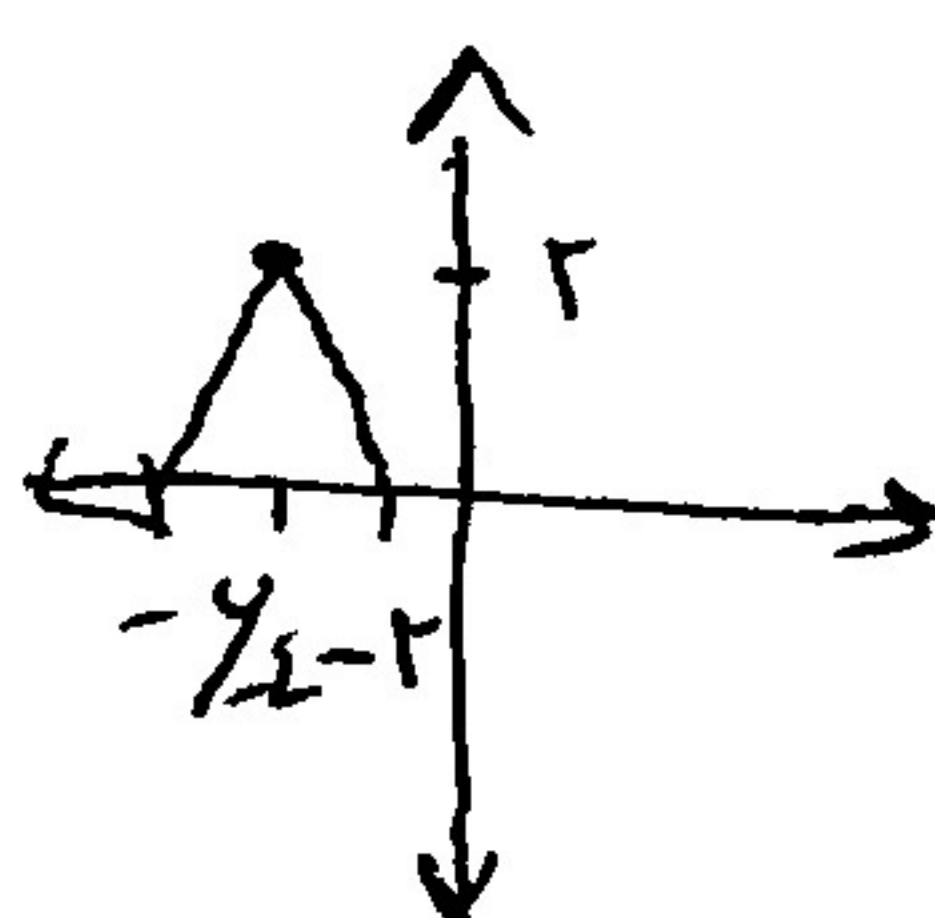
$S = \frac{13 \times 2}{2} = 13$

$A \mid \begin{matrix} 13 \\ -3 \end{matrix} \rightarrow A' \mid \begin{matrix} \varepsilon + a \\ -y + a \end{matrix}$
 $x = \varepsilon + a$
 $y = a - y$
 $a - y = 1 + 2a - 1$
 $\rightarrow a = -y$

$x \rightarrow x+y : -f(x+y)$

$x \rightarrow -x : -f(\varepsilon - x)$

$y \rightarrow -\frac{1}{2}y : \frac{1}{2}f(\varepsilon - x)$



مسیرهای تابع
 $f(3n-1)$ و $f(5n-1)$
 $\begin{cases} -1 \rightarrow 0 \\ 2 \rightarrow 1 \\ 5 \rightarrow 2 \end{cases}$

$(n+2) f(3n-1) \mid 15$

$P(x) \mid \begin{matrix} -2 & 0 & 1 & 2 \\ + & 0 & - & 0 \\ 1 & 1 & 1 & 1 \end{matrix}$

$D = [-5, 0] \cup [1, 2]$

$x \rightarrow x+k$

$y \rightarrow y-3$

$f=g$

$\rightarrow |2n+2k-3|-2 = |2n-3|+1$

$g(x) = |2n+2k-3|-2 \xrightarrow{x=0} |2k-3|-2 = 2$

$k \geq 0 \rightarrow k=4, 5$

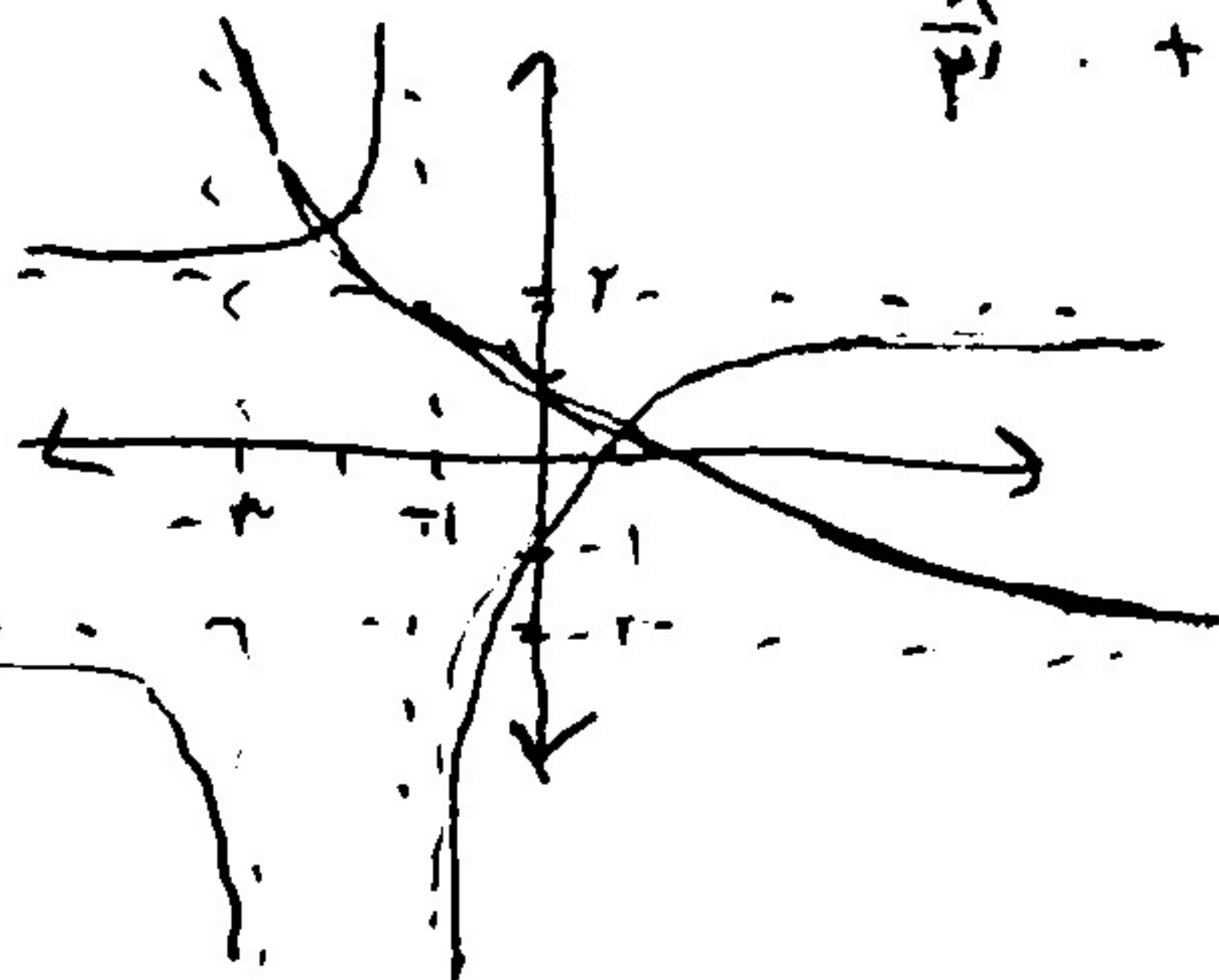
$$y \rightarrow -y$$

$$n \rightarrow \frac{1}{\mu} n$$

$$y \rightarrow y + K, K > 0$$

$$y = \frac{-r_{n+1}}{n+1} \rightarrow y = \frac{-\frac{r}{\mu} n + 1}{\frac{-r}{\mu} + 1}$$

$$y = \frac{-r_{n+\mu}}{n+\mu} \rightarrow y = \frac{-r_{n+\mu}}{n+\mu} + K$$



$$\mu > K > \varepsilon \rightarrow \boxed{K = \varepsilon}$$

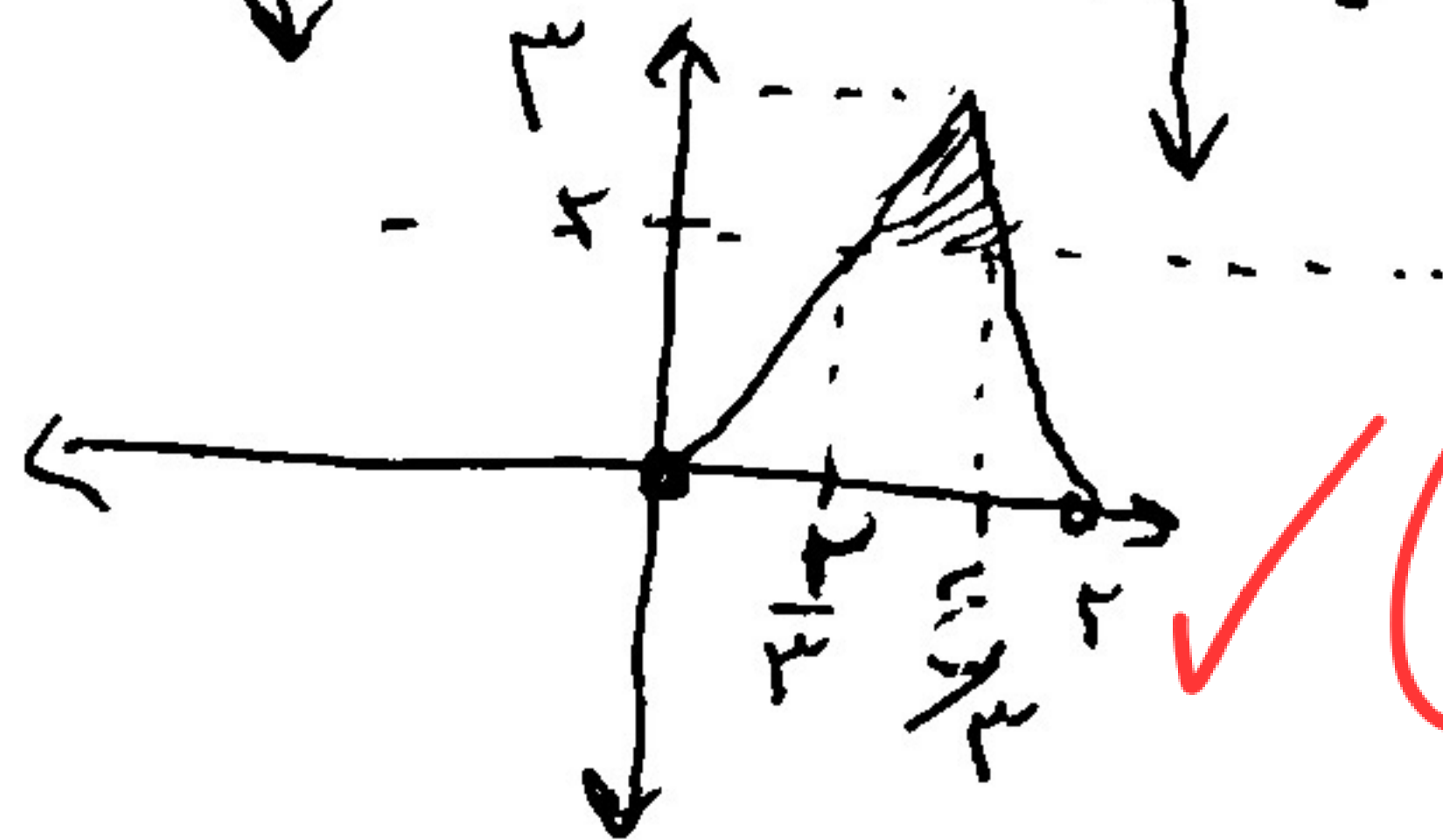
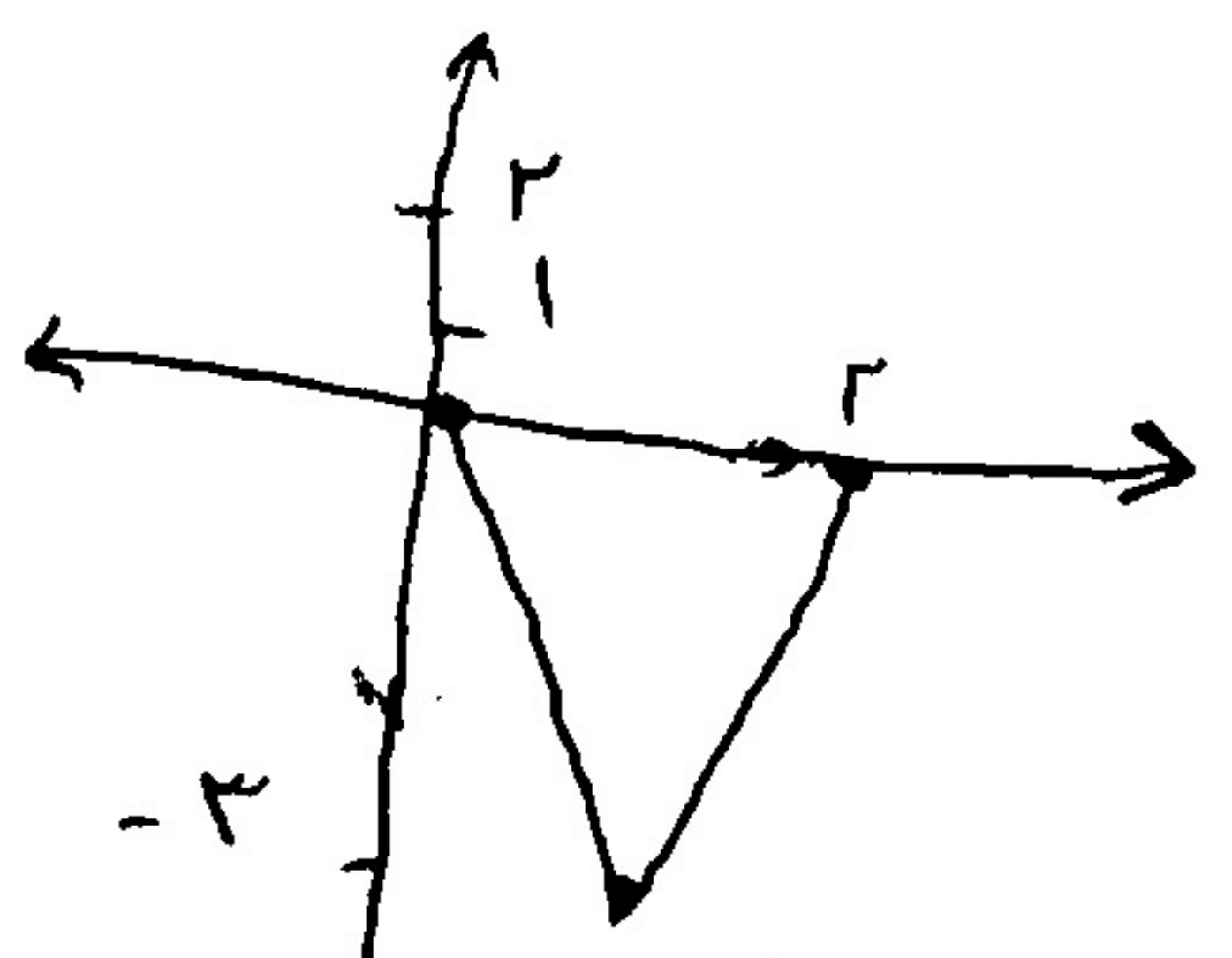
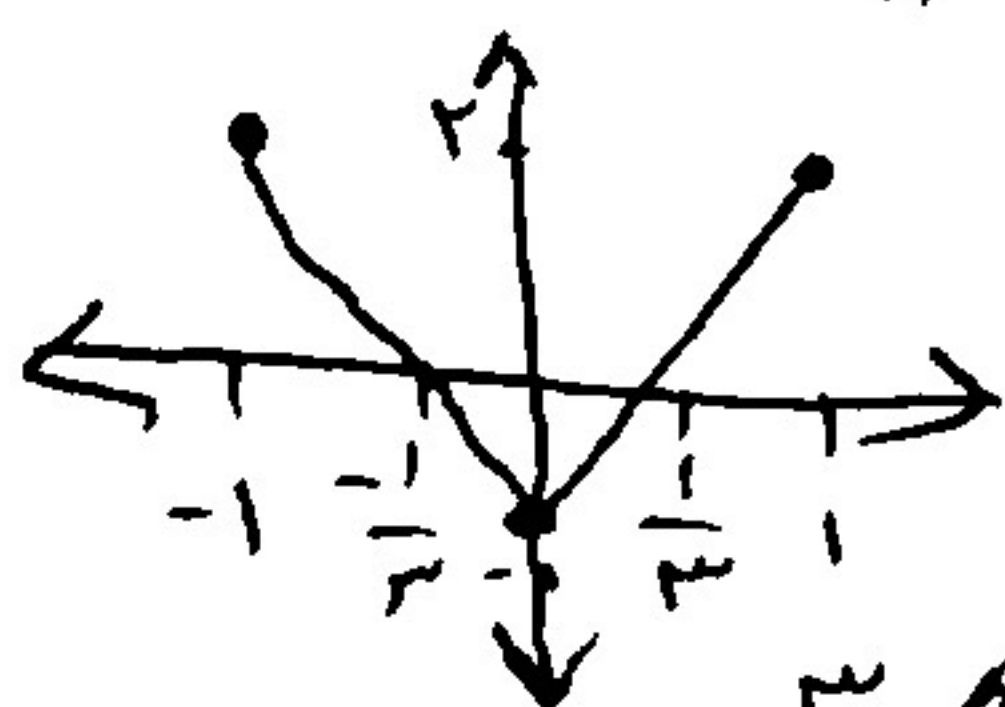
بعض μ واحد بالباورم

$$n \rightarrow r_n$$

$$n \rightarrow n-1$$

$$y \rightarrow y-r$$

$$y \rightarrow -y$$



$$\boxed{y}$$

$$S = \frac{r}{\mu} \times 1 \times \frac{1}{r} = \boxed{\frac{1}{\mu}}$$

$$\frac{q}{r} = \frac{(a-r)^r}{r} + \frac{\mu \times r}{r} \rightarrow \text{مقدار}$$

$$f(x) = |n-r|-r \xrightarrow{n = \frac{1}{a}, \frac{1}{\mu}}$$

$$y = \left| \frac{1}{\mu} - r \right| - r \pm \boxed{\frac{r}{\mu}}$$

$$\boxed{y}$$

$$a > 0 \rightarrow \boxed{a = \mu}$$