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1) $\{ (x-2) \leq 2 \} \rightarrow -\frac{2}{3} \leq x \leq \frac{2}{3}$ ✓ (1)

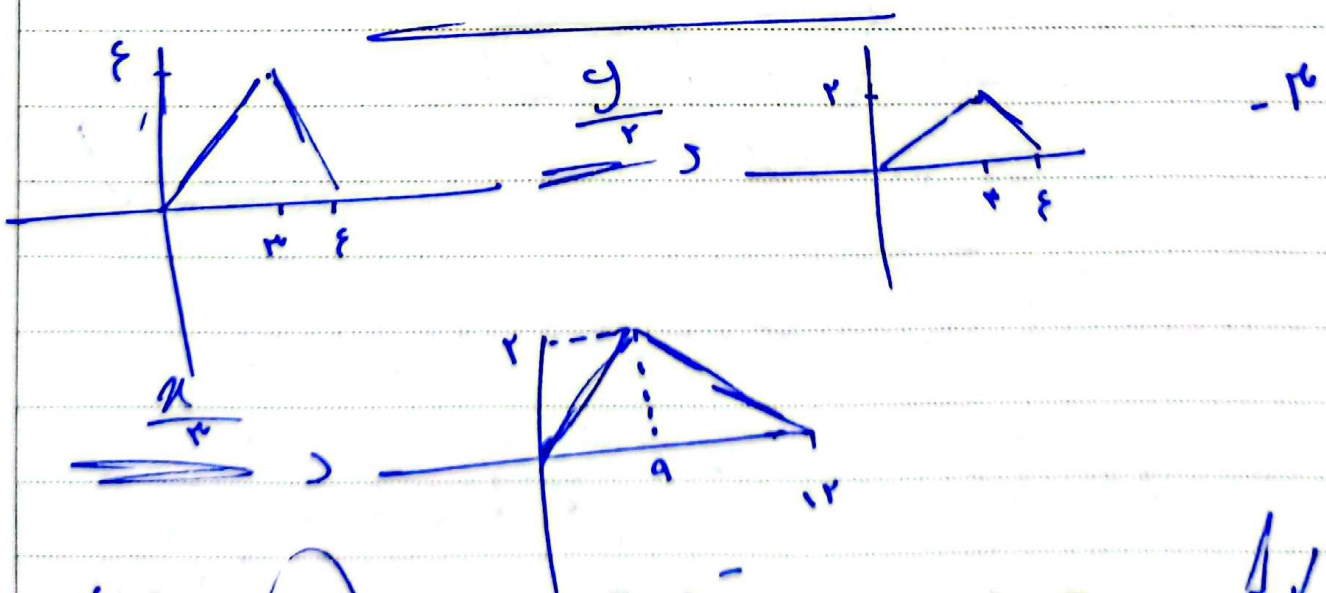
2) $\{ (x-2) \leq -2 \} \rightarrow -\frac{2}{3} \leq x \leq 0$ $D = [-15, -1]$

$f(x) = x\sqrt{x-2} \xrightarrow{\text{تعويض}} f(x) = x - 2 + \sqrt{x-2} - 2$

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

$y - 2 + \sqrt{y-4} = y \Rightarrow y - 4 = 2 \Rightarrow y = 6$ ✓ (2)

$\Rightarrow y = x \Rightarrow \wedge$



انرکلیست ماتریکس بردارهای
 درصاف ایحاد نمی‌کند. ✓ (2)

$$\left. \begin{aligned} \frac{x-a}{r} = r &\rightarrow x = a+r \\ \frac{y-a}{r} = -r &\rightarrow y = a-r \end{aligned} \right\} A'$$

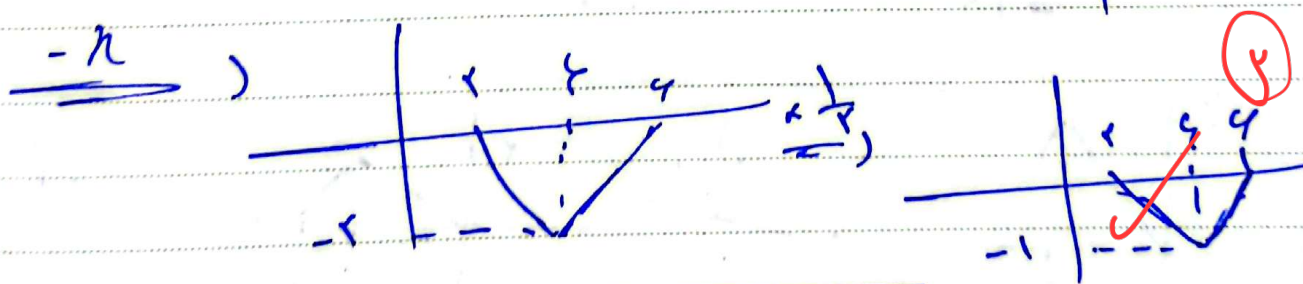
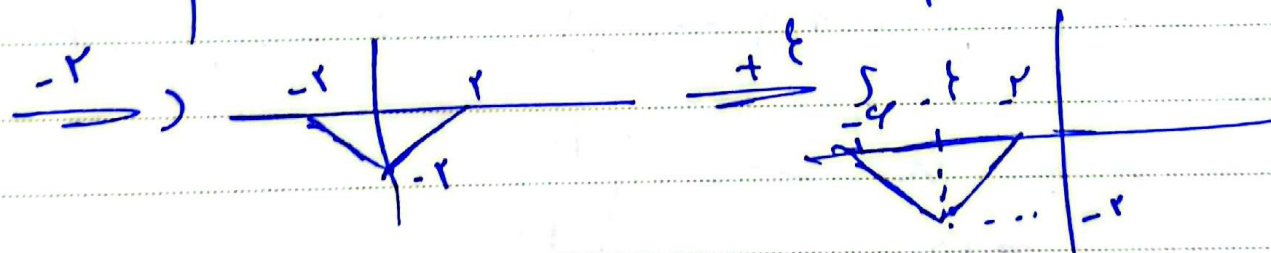
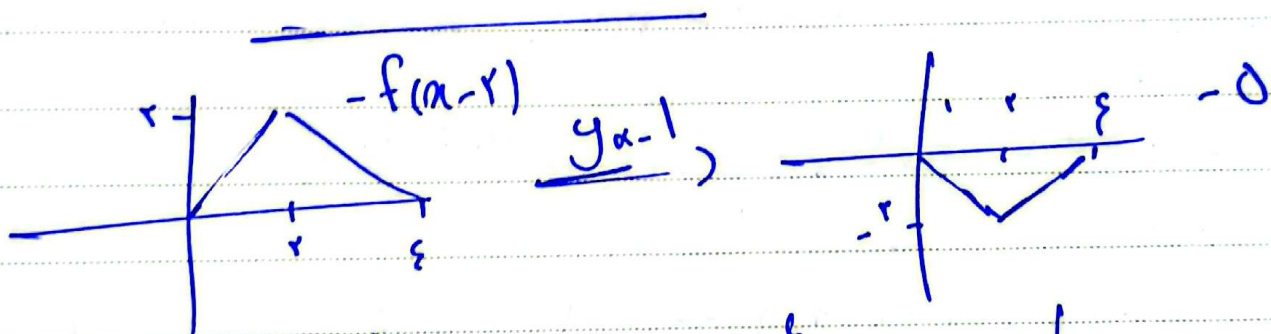
$$f\left(\frac{x-a}{r}\right) = \frac{y-a}{r} \Rightarrow f(x') = \frac{x-a-\Lambda}{r} \quad -r \quad -\epsilon$$

$$a-r = (a+r) - \Lambda \rightarrow \boxed{a = -r}$$

$$\Rightarrow x-a-\Lambda = -r \Rightarrow x-a-r=0 \Rightarrow \underline{x-a=r}$$

$$y = x' - \Lambda = \left(\frac{x-a}{r}\right) - \Lambda \Rightarrow x-a-\Lambda = r$$

$$\Rightarrow x-a=r \text{ and } x-a-r=0 \Rightarrow \underline{x=a+r}$$



$$\sqrt{-(x+r)f(x-1)} \Rightarrow -(x+r)f(x-1) \geq 0 \quad -r$$

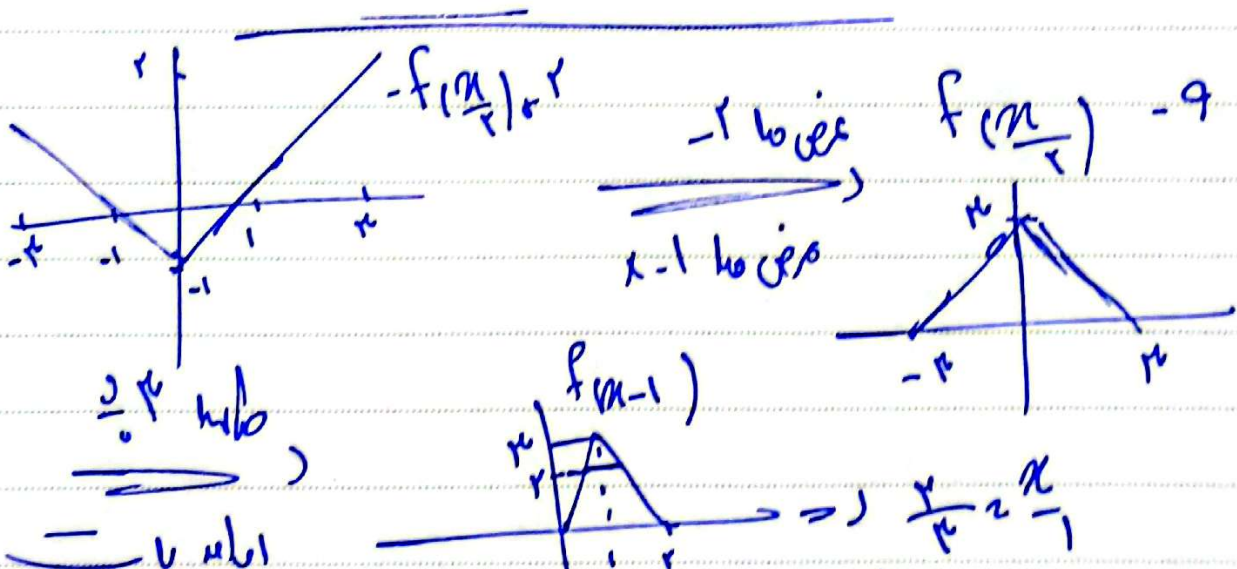
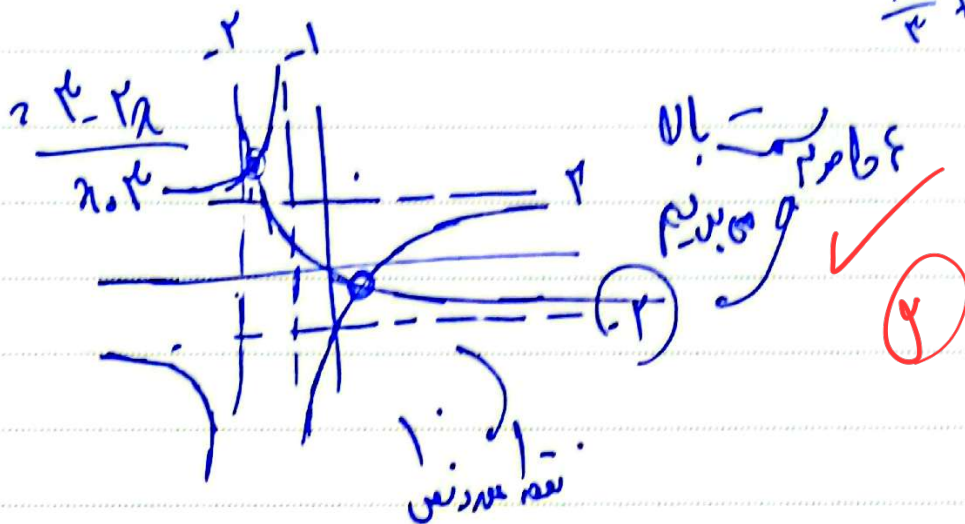
$$\Rightarrow (x+r)f(x-1) \leq 0$$

$$\Rightarrow D_y f(x, 0) \in [1, r] \Rightarrow$$

$$|r_n - r| \leq \frac{C n^k}{n^2} \Rightarrow |r(n+k) - r| + \frac{C n^k}{n^2} \leq \dots$$

$$|r(n+k) - r| \leq \dots \Rightarrow |r_k - r| \leq \dots$$

$$\frac{r_n - 1}{n+1} \dots \frac{r_n - 1}{n+1} \dots \frac{r}{r+1} \dots$$



$$\frac{r}{r+1} \dots \frac{r}{r+1} \dots \frac{r}{r+1} \dots$$

$$S_1 = \frac{(a-r)(a-r)}{r} = \frac{a^2 - 2ar + r^2}{r} \quad -1.$$

$$S_1 = \frac{1}{r} \cdot \frac{a^2 - 2ar + r^2}{r} = \frac{1}{r} \cdot \frac{a^2 - 2ar + r^2}{r}$$

$$\Rightarrow a^2 - 2ar + r^2 = (a-r)(a-r) = a^2 - 2ar + r^2$$

$$\Rightarrow f(x) = |x - r| = r$$

$$\Rightarrow f\left(\frac{r}{a}\right) = \left|\frac{r}{a} - r\right| = r = \frac{1}{r} - \frac{r}{a} \cdot \frac{r}{a}$$