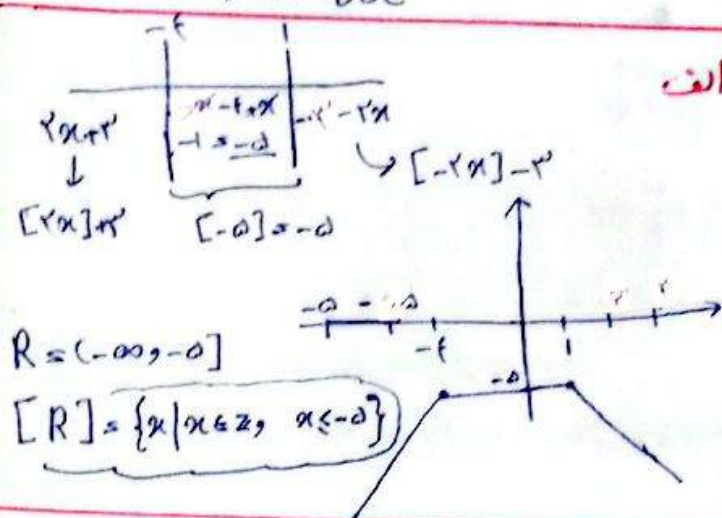
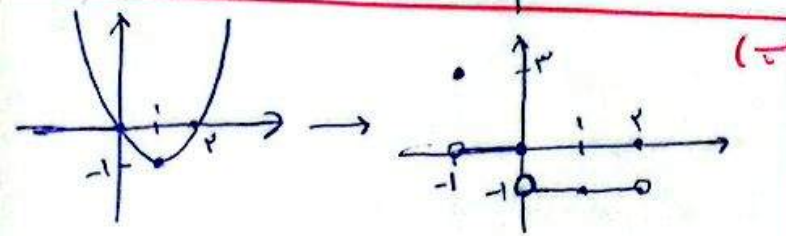
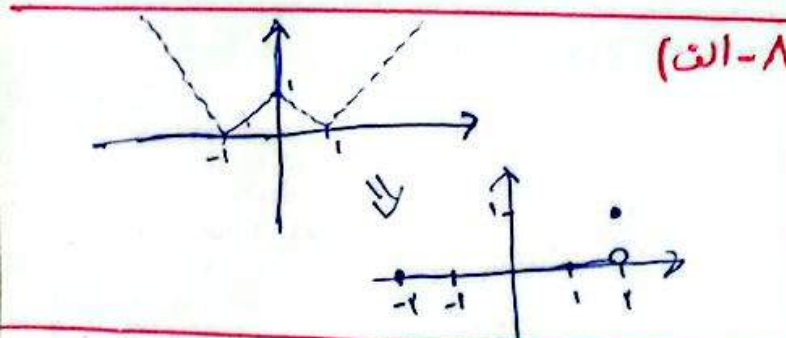
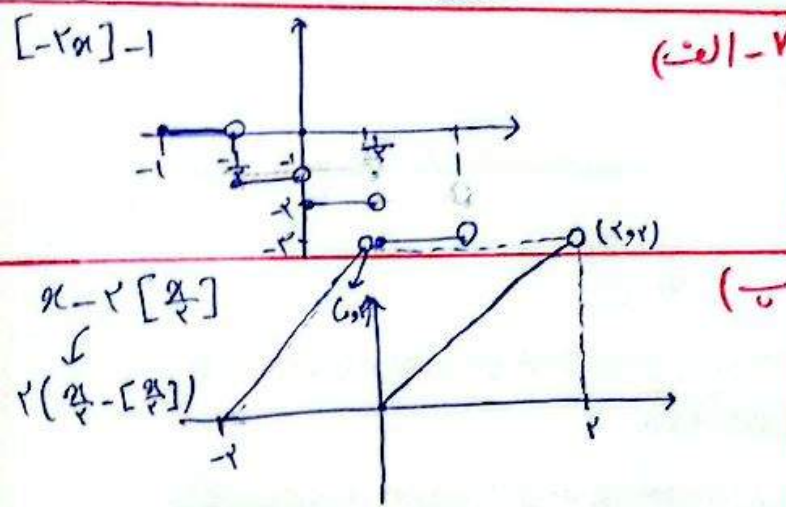


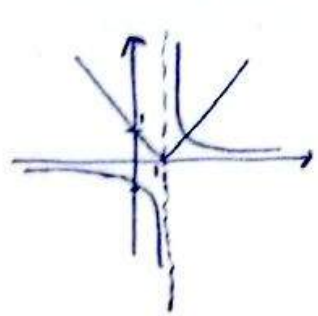
$\left| \frac{1}{2}x \right| - 2 \rightarrow \left| \frac{1}{2}(x+4) \right| - 2 \rightarrow \left| \frac{x}{2} + 2 \right| - 1$
 $\left| \frac{1}{2}x \right| - 2 = \left| \frac{x}{2} + 2 \right| - 1 \Rightarrow \left| \frac{x}{2} \right| = \left| \frac{x}{2} + 2 \right| + 1$
 $\rightarrow x > 0 \rightarrow 3 = 0 \text{ } \emptyset \text{ } \emptyset \text{ } \emptyset$
 $\rightarrow -4 < x < 0 \rightarrow -\frac{x}{2} = \frac{x}{2} + 2 + 1 \Rightarrow x = -3$
 $\rightarrow x < -4 \rightarrow -1 = 0 \text{ } \emptyset \text{ } \emptyset \text{ } \emptyset$



$\frac{1}{x} - [1 + \frac{1}{x}] = \frac{1}{x} - [\frac{1}{x}] - 1$
 $[0] \Rightarrow R = [-1, 0]$



رسانه‌های رایگان و به دسترس



۱- ریشه

$\frac{x-1}{x} \leq 2 - \frac{1}{x}$
 $-2 < 2 - \frac{1}{x} < 2 \Rightarrow -4 < -\frac{1}{x} < 0 \Rightarrow 0 < \frac{1}{x} < 4$
 $\Rightarrow \frac{1}{4} < x < \infty$

$\frac{x-2}{x+1} > 1 \rightarrow \frac{x-2-1-x}{x+1} > 0 \Rightarrow \frac{-x-3}{x+1} > 0$
 $\frac{x-2}{x+1} < -1$
 $\rightarrow \frac{x-2+x+1}{x+1} < 0 \Rightarrow \frac{2x-1}{x+1} < 0$
 $(I) \cap (II) = (-2, \frac{1}{2}) \cup \{-\frac{1}{2}\}$

$x^2 < |x+6|$
 $\Rightarrow x \in (-2, 2)$
 $-B < x - A < B \Rightarrow x + B < x < x + B$
 $A + B \leq 2$
 $A - B \leq -2 \Rightarrow 2A \leq 1 \Rightarrow A \leq \frac{1}{2}$

-1	0	1
$x+1+2x-x+1$	$x+1-2x-x$	$x+1-2x$
$-x+2x+1$	$x+1-2x-x$	$x+1-2x$
$-x+2x+1$	$x+1-2x-x$	$x+1-2x$
$\min = 1$	$\max = 1$	$\min = -1$
①	①	①

$\max = 3$
 $\min = -1$
 $2 - 1 = 1$
 البته بدون محاسبه این دو تابع به دست می‌آید
 بدون علامت خطی و ماکسیم و مینیمم تابع را به دست می‌آوریم
 مشخص می‌کنیم

$$\sqrt{x} \approx 1/f \quad | -1/f = -0/f \rightarrow (-0/f) \stackrel{\text{قريباً}}{=} 0$$

$$\Rightarrow [(1+\sqrt{x})^9] \leq [191] = \underline{191}$$

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$$\left. \begin{array}{l} a+[b] \leq \epsilon, \epsilon \Rightarrow [a]+[b] \leq f \\ a \leq 0, \epsilon \end{array} \right\} \Rightarrow [b] \geq \epsilon$$

$$\left. \begin{array}{l} b-[a] \leq \epsilon, \epsilon \\ b \leq 0, \epsilon \end{array} \right\} \Rightarrow [a] \leq \epsilon$$

$\epsilon, \epsilon + \epsilon, \epsilon = \epsilon, \epsilon$ $b \leq \epsilon, \epsilon \quad a \leq \epsilon$

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