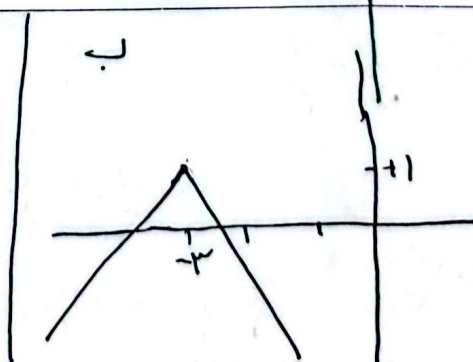
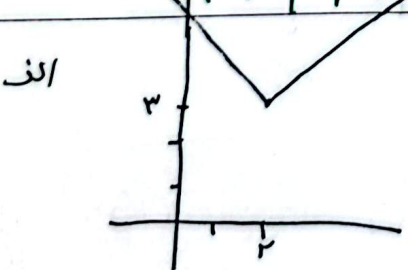
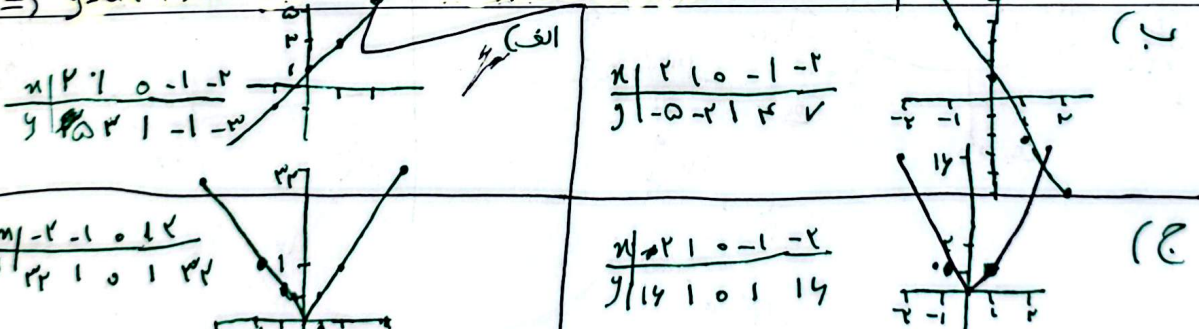
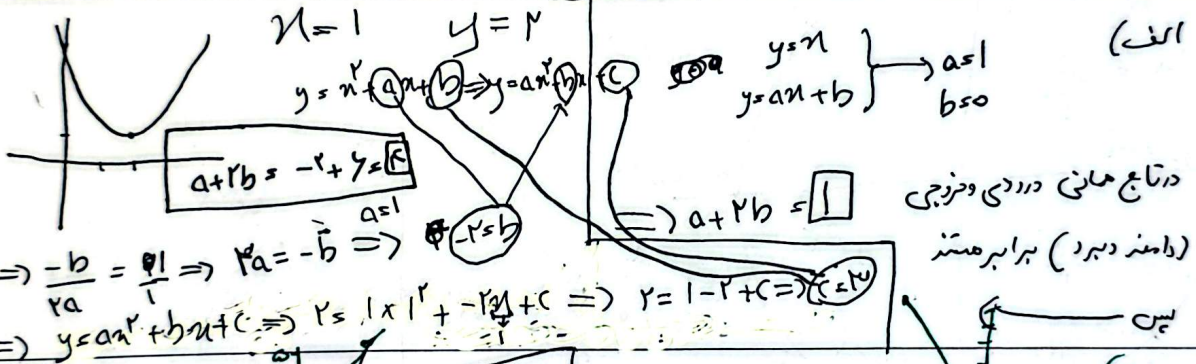
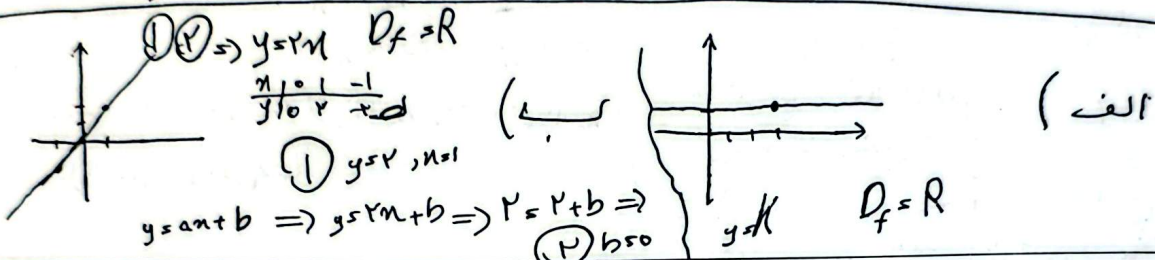


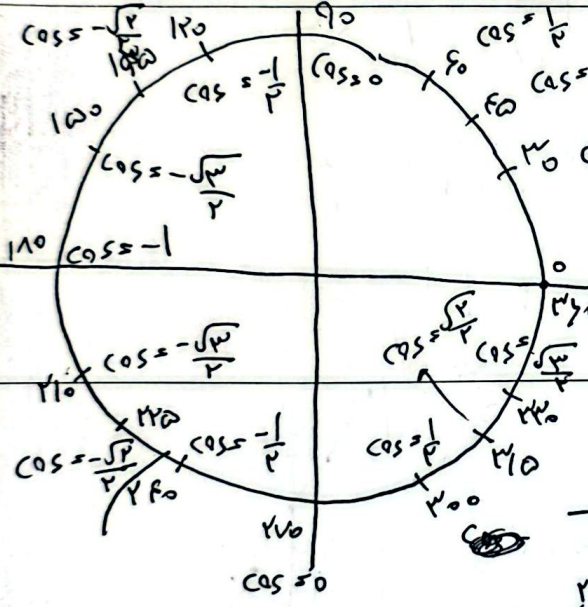
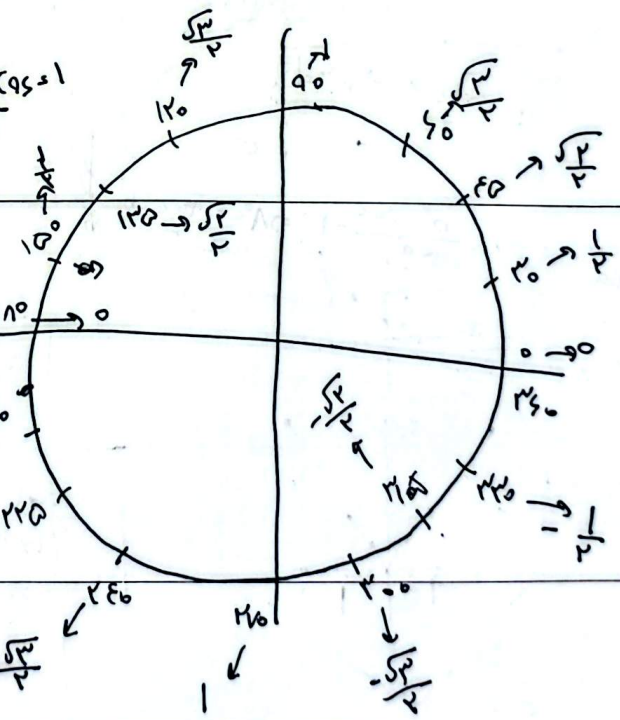
اكتب = يعني تابع $y_i^w = y_r^w \Rightarrow y_i = y_r$
مثلا $x_1 = x_2$

ب) $|y| + n^r \leq n + n^r \xrightarrow{n \rightarrow \infty} |y| \leq n \rightarrow y \leq n \xrightarrow{n \rightarrow \infty} y \leq \infty$

تابع مستقیم است $\rightarrow$ $\begin{matrix} \sqrt{n-4} \leq 0 \rightarrow n \leq 4 \\ |y-2| \leq 0 \rightarrow y=2 \end{matrix}$ $\rightarrow$ $\left. \begin{matrix} \text{مجموع دو عبارت مثبت} \\ \text{یعنی مرتبه صفر مرتبه} \end{matrix} \right\} \rightarrow$ $\begin{matrix} (0) \\ (0) \end{matrix}$ $\rightarrow$ $\begin{matrix} \text{مرتبه} \\ \text{مرتبه} \end{matrix}$

7) necessary $\xrightarrow{n=0}$ $y=90^\circ, 180^\circ$ $\Rightarrow$ infinite



$x^2 - \sqrt{n+1} \neq 0 \Rightarrow \dots$ $\sqrt{1 \pm \sqrt{49-96}} \Rightarrow \Delta < 0 \Rightarrow D_f = R$	$x^2 - f \neq 0$ $n(n-f) \neq 0$ $x \neq 0, n-f \neq 0 \Rightarrow n \neq f$ $D_f = R - \{0, f\}$	6
$x^2 + n + f \neq 0 \Rightarrow 1 \pm \sqrt{1^2 - f n^2} \Rightarrow \Delta < 0$ $D_f = R$	$n^2 - f n^2 \neq 0 \Rightarrow n^2(n-f) \neq 0$ $n \neq 0, (n-f)(n+f) \neq 0 \Rightarrow n \neq f$ $D_f = R - \{0, f, -f\}$	6
$x^2 + 1 \neq 0 \Rightarrow x^2 \neq -1$ $D_f = R$	$1 - n \geq 0 \Rightarrow n \leq 1 \Rightarrow D_f = [1, \infty)$ $n - 2 \geq 0 \Rightarrow n \geq 2 \Rightarrow D_f = [2, \infty)$ $1 \cap 2 \Rightarrow D_f = [2, 1]$	7
$ x + x^2 \neq 0$ $D_f = R - \{0\}$	$x - 2 \geq 0 \Rightarrow x \geq 2$ $x - f \neq 0 \Rightarrow x \neq f$ $D_f = [2, \infty) - \{f\}$ $D_f = [2, f) \cup (f, \infty)$	7
		8
$\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2} \rightarrow -\frac{\sqrt{3}}{2}$	$\cos \frac{7\pi}{6} = -\frac{1}{2} \rightarrow \frac{1}{2}$	9
$-\frac{\sqrt{3}}{2} = \sin \frac{5\pi}{6}, \sin \frac{4\pi}{6}$	$\frac{1}{2} = \sin \frac{\pi}{6}, \sin \frac{5\pi}{6}$	10