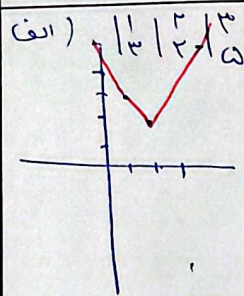


نام و نام خانوادگی پاناکس دهالی پاسخنامه تشریحی تکلیف شماره ۷ کلاس



ب)
$$\begin{cases} x+3 & x < 0 \\ 3-x & 0 \leq x < 1 \\ 1-x & 1 \leq x < 2 \\ x-3 & x \geq 2 \end{cases}$$

$R_f = \mathbb{R}$

$R = [-1, +\infty)$

ضابطه ها نوشته شد

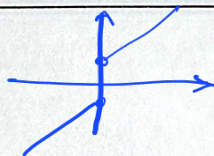
$R_f = [2, +\infty)$

$3x-3=0 \quad x=1 \quad x = \frac{\omega-1}{2} \quad x < -2 \rightarrow k > 9$

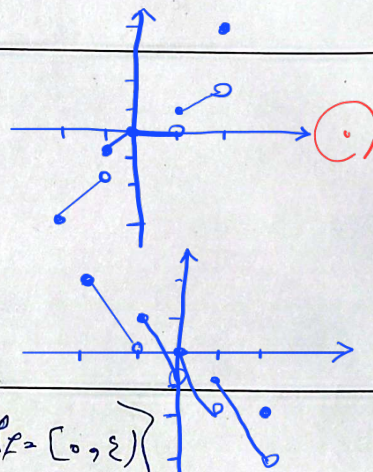
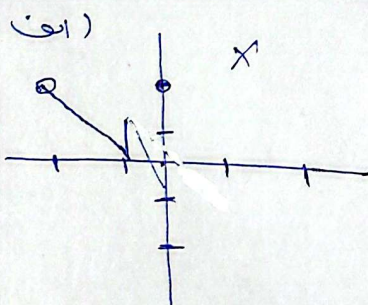
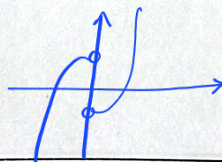
$x+2=0 \quad x=-2 \quad x = \frac{k+\omega}{2} \quad x \geq 1 \rightarrow k \geq -3$

$\Rightarrow k \geq 3$

الف) $\begin{cases} x > 0 \rightarrow 2x+1 \\ x < 0 \rightarrow 2x-1 \end{cases}$



ب) $\begin{cases} x > 0 \rightarrow x^2-1 \\ x < 0 \rightarrow -x^2+1 \end{cases}$



الف) $R_f = [0, 1)$ ب) $f(x - [x]) \rightarrow R_f = [0, 1)$

ج) $[0, 1) \xrightarrow{\omega} [0, \omega)$

د) $[2x] \leq 2x \rightarrow R_f = [-1, 0]$