

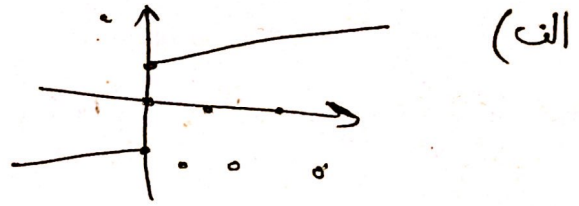
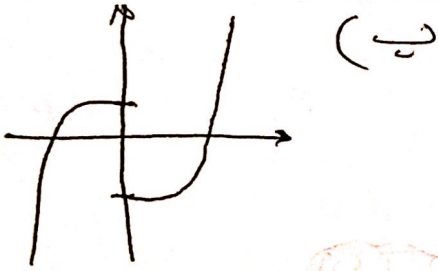
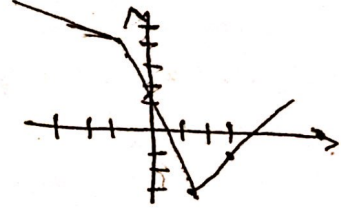
$y = 2n + 1 \mid 2n - 1 \rightarrow x \geq x$
 $y = 2n + 1 \mid 2n - 1 \rightarrow 2n - 1 = y \mid 2n = 2$
 $y = 2 \mid y = 6 \mid 5$

↳ $x \leq y \wedge x \neq y \rightarrow y \leq x$ and $x \leq y \wedge x = y \rightarrow y \leq x$

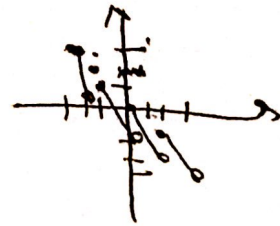
[illegible]

$$\begin{aligned} \text{Con} - \text{Con} - \gamma &= \gamma_{\text{Con} - a} \\ -\text{Con} + \text{Con} - \gamma &= -\gamma_{\text{Con} - b} \\ -\text{Con} + \text{Con} + \gamma &= -\gamma_{\text{Con} - b} \end{aligned}$$

$$\begin{aligned} & n > 1 \\ & -r \leq n \leq 1 \\ & n < -r \end{aligned}$$



$$\begin{aligned} n \in [-2, -1] &\rightarrow -2 \leq n \rightarrow n \in [-1, 0] \rightarrow -1 \leq n \\ n \in [0, 1] &\rightarrow -2 \leq n \rightarrow n \in [1, 2] \rightarrow 1 \leq n \end{aligned}$$



$$y = [x+1]a$$

$$[-1, 1] \rightarrow (-1)(-a) = a$$

$$[0, 1] \rightarrow 0 \quad a \in [1, 2] \rightarrow a$$



$$P(x - [a]) R_G = [0, \infty] \left(\frac{1}{2} \right)$$

$$y = n - [n] \quad (a)$$

$$y = t - [t] \quad R_f = [0, 1]$$

$$y = [1] \cdot \begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix} \quad (7)$$

$$y = \omega t - \omega[t] \rightarrow y = \omega(t - [t]) = \omega \{t\}$$

$$R_f = [0, \omega]$$

$R_f = [-a, a]$	$(\cup)$	$R_f = [-\sqrt{a}, \sqrt{a}]$	(الف)	
$R_f = [-\sqrt{a}, \sqrt{a}]$	$(\supset)$	$-\sqrt{a} < x < \sqrt{a}$ $R_f = \{-a, -a, \dots, a\}$	(ب)	٦
$\sin x = \frac{-b}{ra} \rightarrow -1/a$ $\sin x = 1 \rightarrow y \rightarrow \max$ $\sin x = -1 \rightarrow 0$	$f(\frac{1}{r}) = \frac{-1}{r} \min$ $[\frac{-1}{r}, 0]$	(الف)		٧
$\sin x = \frac{-r}{f} \rightarrow \min$ $\sin x = 1 \rightarrow r \max$ $\sin x = -1$	$f(\frac{-r}{f}) = \frac{1}{f}$ $[\frac{1}{f}, r]$	(ب)		
$1 + c \cos x$ $[a, b]$	$R_f = [1, 2]$	(الف)		٨
$f \frac{c \cdot \sin x}{\sin x} \times \sin x = r \sin x \cos x$ $\sin 2x \rightarrow y = \sin 2x \rightarrow R_f = [-1, 1]$		(ب)		
$\frac{1}{f} \leq \sin^4 x + \cos^4 x \leq 1$	$R_f = [\frac{1}{f}, 1]$	(الف)		
$y = [\sin^4 x + \cos^4 x] \rightarrow \frac{1}{f} \leq \sin^4 x + \cos^4 x \leq 1$ $[\sin^4 x + \cos^4 x] \rightarrow 1$	$R_f = \{0, 1\}$	(ب)		٩
$\frac{(n+1)(2n-1)}{n+1} \rightarrow y = (2n-1), n+1 \rightarrow f(-1) = -1$	$R_f = \mathbb{R} - \{1\}$	(الف)		
$y = (n + \frac{1}{f})^2 + \frac{n}{f} \rightarrow R_f = [\frac{n}{f}, +\infty)$		(ب)		١٠