

مسئله غیبی بود - (فاز ۳۰ دقیقه) $\sin^2 \alpha = 1 \Rightarrow +1 \rightarrow 1 \Rightarrow [-1, 1]$ سوال ۱۰

ب) $\cos^2 \theta = 1 \Rightarrow -1 \rightarrow -1 \Rightarrow [-1, 1]$

$[-3, -1] \rightarrow -1 + -3 \leq -4$

$[-2, -1] \rightarrow -1 + -2 \leq -3$

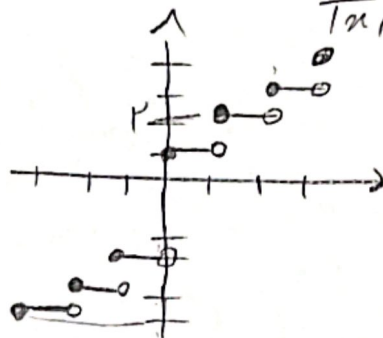
$[-1, 0] \rightarrow -1 + -1 \leq -2$

$[0, 1] \rightarrow +1 \leq 0 \rightarrow +1$

$[1, 2] \rightarrow +1 + +1 \leq 2$

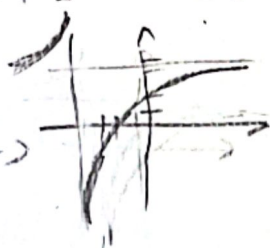
$[2, 3] \rightarrow 1 + 2 \leq 3 \Rightarrow [2, 3]$

سوال ۲۰ $\frac{n}{Tn} + [x]$



سوال ۳۰

$\frac{x+1}{x+2}$



سوال ۴۰

۱) $x \geq 2, y \geq 1 \Rightarrow x+y-1 \leq 3 \Rightarrow x+y \leq 4 \Rightarrow y \leq 4-x$ خط

۲) $x \leq 2, y \geq 1$

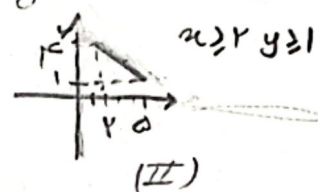
$2-x+y \leq 3$

$y \leq x+1$



(I)

①
②
③
④



(II)

۳) $x \leq 2, y \leq 1 \Rightarrow y = x-4$

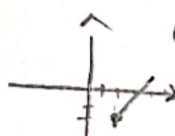
$x \neq y + 4 \leq 3$

$-x = y$



(III)

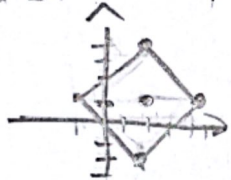
۴) $x \geq 2, y \leq 1 \Rightarrow x-2-y+1 \leq 3$



(IV)

$x-4 \leq y$

$I \cup II \cup III \cup IV =$



سوال ۵۰

$(\sqrt{x+\frac{1}{x}}+1)^2 - 1 \rightarrow \min \leq \dots \Rightarrow (1+\sqrt{5}+\infty)$

$\min = \sqrt{a+\frac{1}{a}} = (\sqrt{r}+1)^2 - 1 \Rightarrow 1+\sqrt{r}-1 = 1+\sqrt{r}$

$\sin^2 \theta + 2 \sin \theta + 3 \rightarrow 1 \rightarrow 4$

$\{1, 2, 3, 4, 5, 6, 7, 8, 9\}$

سوال ۶۰

$-\frac{1}{c}n+10 \Rightarrow -\frac{1}{c}(\frac{10 \times 9}{2}) + 90 \Rightarrow \frac{160}{c}$

$$b \leq 0 \Rightarrow 2b + c = 0 \quad b > 0 \quad a \leq 0 \quad (10 \text{ د } 9)$$

$$2b + c \leq 1 \Rightarrow b \leq 1 \quad c \leq -2$$

$$\sqrt{2x+1} \Rightarrow [1, +\infty)$$

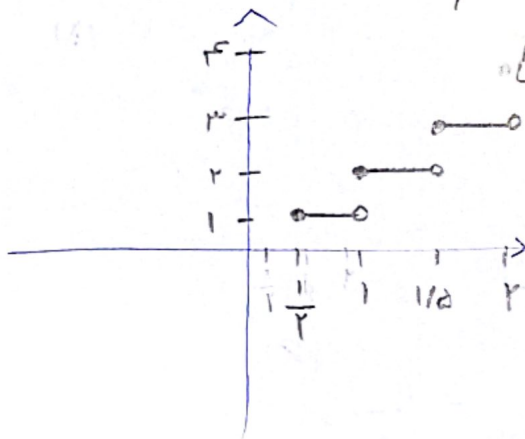
$$\frac{n(n^2-1)}{n+1} = (n-1)(n+1) \quad -2 \leq b \leq a \quad (10 \text{ د } 9)$$

$$n^2 - 2n = 1 \Rightarrow n^2 - 2n - 1 = 0 \quad n^2 - 2n \rightarrow [-1, +\infty)$$

$$\frac{1}{-1} \rightarrow (-1) \rightarrow 3$$

$$(x-1)^2 \leq x^2 + 12x - 4x^2 - 1 \quad (9 \text{ د } 9)$$

$$[-9, 12] \rightarrow x-1 \rightarrow [-8, 10]$$



$$f \rightarrow 1 \quad \left(\frac{1}{r}, 1\right) \rightarrow 1$$

$$(1, 1/2) \rightarrow 2 \quad (1/2, 2) \rightarrow 3$$

$$2 \rightarrow 3$$

3 باره خط