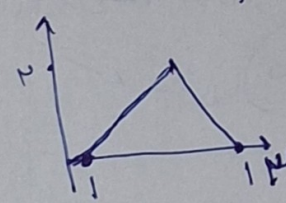
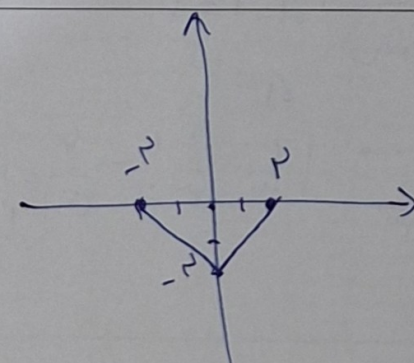


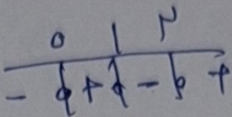
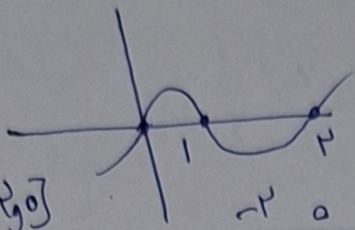
(الف) $-4 \leq x \leq 2 \rightarrow -4 \leq 3x-2 \leq 2 \rightarrow 0 \leq x \leq \frac{4}{3}$ (ب) $-4 \leq x \leq -2 \rightarrow -4 \leq 3x-2 \leq -1 \rightarrow -1 \leq x \leq -\frac{1}{3}$	
۲ $x + \sqrt{x-2} \xrightarrow{x'=x-2} x-2 + \sqrt{x-2} \xrightarrow{\text{واریانسون}} y-2 + \sqrt{y-2} = x$ $y-2 + \sqrt{y-2} = y$ $\sqrt{y-2} = 2 \rightarrow y = 8$	
۳ مساحت مثلث قائم الزامی $\rightarrow$ مساحت مثلث قائم الزامی $\rightarrow$ مساحت مثلث قائم الزامی $S = \frac{2 \times 2}{2} = 2$ 	
۴ $\frac{x-a}{2} \leq 2 \rightarrow x \leq a+4$ $y = a + 2(-2) \leq a-4$ $y \leq a-4$ $a-4 \leq 2a \rightarrow a \geq -4$	
۵ $f(x) = \begin{cases} x+2 & x \leq -2 \\ -x & -2 < x < 2 \\ x-2 & x \geq 2 \end{cases}$ 	

form 1)

not

$$\frac{-p}{-q+}$$

در صورتیکه



در (1) و (2) هر دو

در (1) و (2) هر دو

$$D = [-1, 2]$$

$$U[1, 2] \cup \{0\}$$

با توجه به دو جدول

در صورتیکه

$$f(x) = |p(x+2) - p| + p$$

$$f(x) = f(x) \rightarrow x=0$$

$$\text{if } x=0 \rightarrow |p(0+2) - p| + p = |0 - p| + 1 \rightarrow |p2 - p| + p = 4$$

$$|p2 - p| = 4 \rightarrow 2p \geq \frac{p}{p} \rightarrow p2 = 4 \rightarrow p = \frac{4}{p} \checkmark$$

$$0 < p \leq \frac{p}{p} \rightarrow p = \frac{p}{p} \checkmark$$

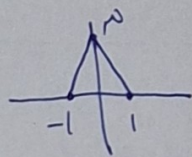
$$f(x) = 1 - \frac{p}{p}$$

$$\frac{p - p}{p + p} \rightarrow \frac{p - p}{p + p} \rightarrow \frac{p - p}{p + p} \rightarrow \frac{p - p}{p + p}$$

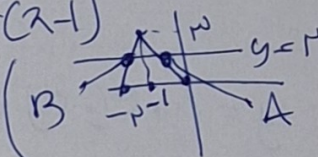
$$p^2 + 2p - p = (p - p)p + (p + 1)p + p(p + 1) \rightarrow (p - p)p + (p + 1)p + p(p + 1)$$

$$14p^2 - 14p + 14 = 14p^2 + 14p = 14p^2 + 14p + 14 = 14p^2 + 14p + 14 \rightarrow p = 1 \Delta = 0$$

f(x)



f(x-1)



$$S = \frac{1 \times \frac{p}{p}}{p} = \frac{1}{p}$$

$$x \geq -1 \rightarrow p(x+1) \rightarrow -p(x+1) \rightarrow -p(x+1)$$

$$\frac{q}{p} = \frac{(a-p)^p}{p} + \frac{p \times p}{p} \rightarrow (a-p)^p = 1 \rightarrow a-p = 1 \rightarrow a = p$$

با توجه به دو جدول

$$f(x) = |x - p| - p \rightarrow x = \frac{1}{p} \rightarrow \left| \frac{1}{p} - \frac{q}{p} \right| - \frac{q}{p} = \frac{1}{p}$$