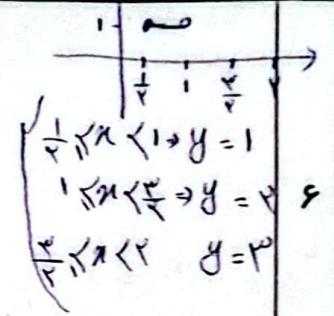


نقطه ها را دارد.



$\begin{cases} \frac{1}{2} \leq x < 1 \Rightarrow y = 0 \\ 1 \leq x < \frac{3}{2} \Rightarrow y = 1 \\ 1 < x + \frac{1}{2} < 2 \Rightarrow \frac{1}{2} \leq x < \frac{3}{2} \Rightarrow y = 1 \\ 1 \leq x + \frac{1}{2} < \frac{3}{2} \Rightarrow \frac{1}{2} \leq x < 1 \Rightarrow y = 0 \end{cases}$

$\Rightarrow \begin{cases} \frac{1}{2} \leq x < 1 \Rightarrow y = 0 \\ 1 \leq x < \frac{3}{2} \Rightarrow y = 1 \\ \frac{3}{2} \leq x < 2 \Rightarrow y = 1 \\ \frac{1}{2} \leq x < \frac{3}{2} \Rightarrow y = 1 \\ 1 \leq x < \frac{3}{2} \Rightarrow y = 1 \\ \frac{3}{2} \leq x < 2 \Rightarrow y = 1 \end{cases}$



۷

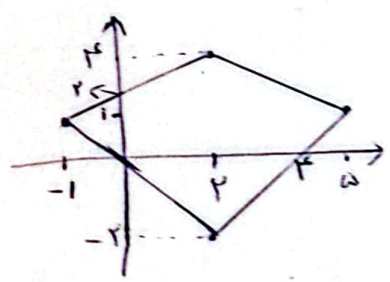
$|x-2| + |y-1| = 3$

$x \geq 2, y \geq 1 \Rightarrow (x-2) + (y-1) = 3 \Rightarrow y = x-1$

$x \geq 2, y < 1 \Rightarrow (x-2) + (1-y) = 3 \Rightarrow y = x-4$

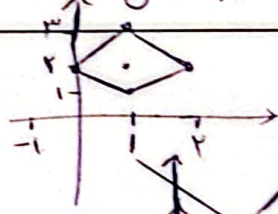
$x < 2, y \geq 1 \Rightarrow (2-x) + (y-1) = 3 \Rightarrow y = 2+x$

$x < 2, y < 1 \Rightarrow (2-x) + (1-y) = 3 \Rightarrow y = -x$



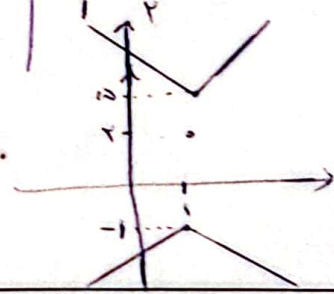
۸

الف) $|x-1| + |y-2| = 1$



ب) $|x-1| - |y-2| = -3$

$|y-2| - |x-1| = 3$



۹

$y = 3x + |ax + b|$ با ضرایب صحیح
از مجموعه اعداد صحیح باشد
 $3 > |a| \Rightarrow -3 < a < 3$

۱۰