Уравнения фигур

9 "А" класс

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|Y|=X

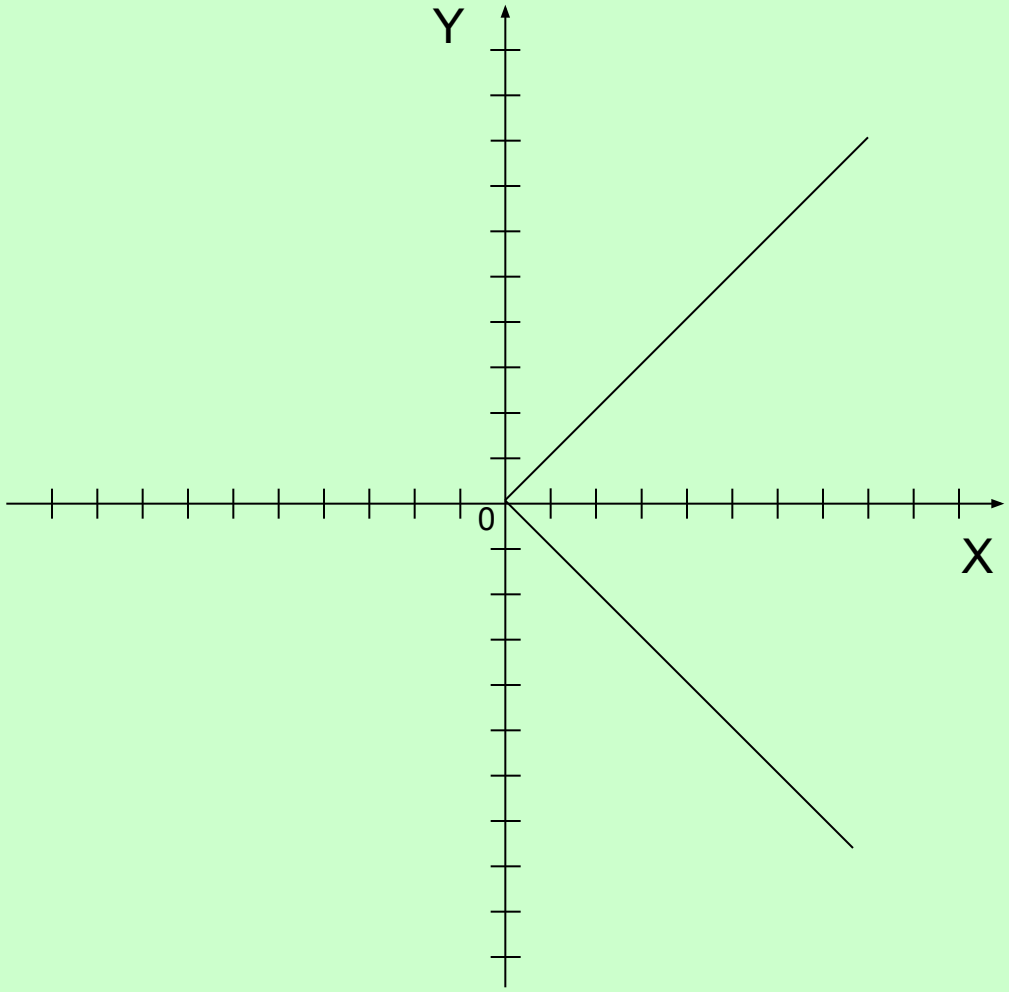
D(y)=[0;+∞)

1) Y=X

Y

Y

-Y



|Y|=-X

D(y)=(-∞;0]

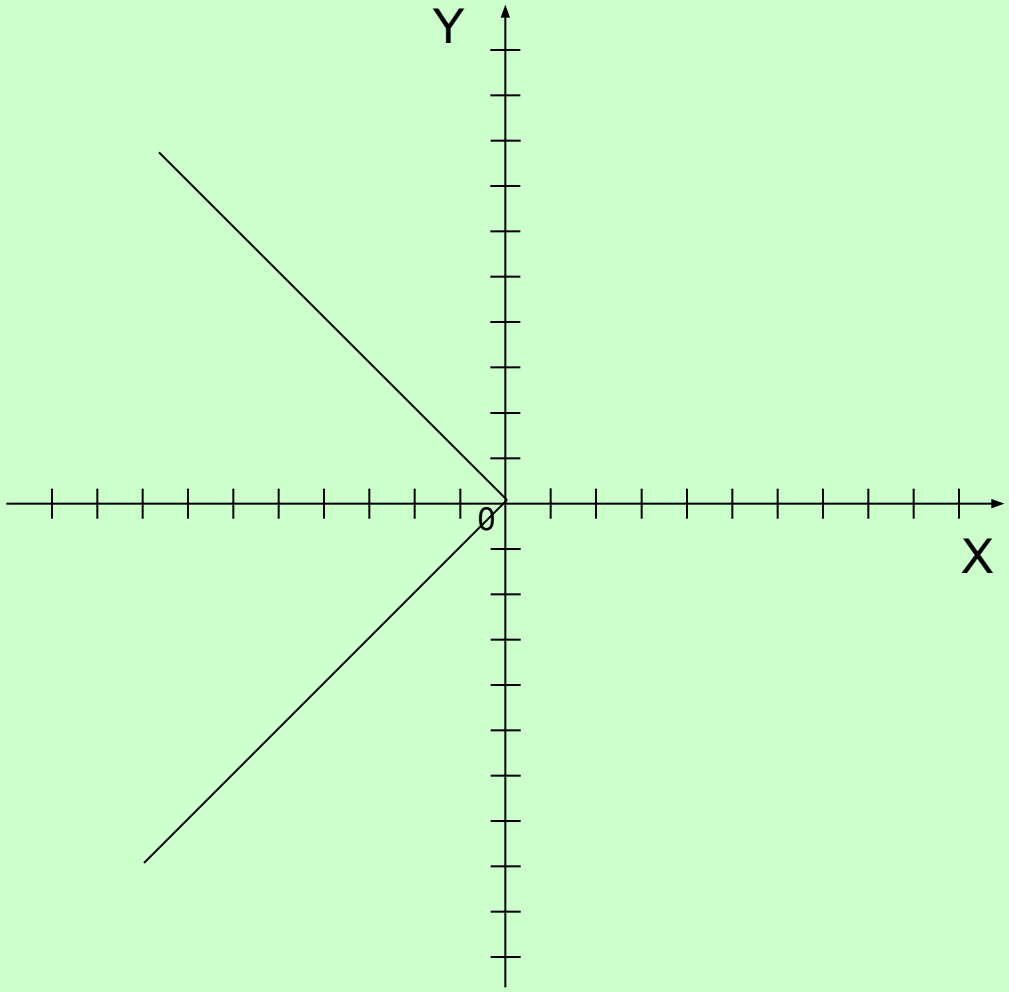
1)Y = -

X

X

Y

-Y

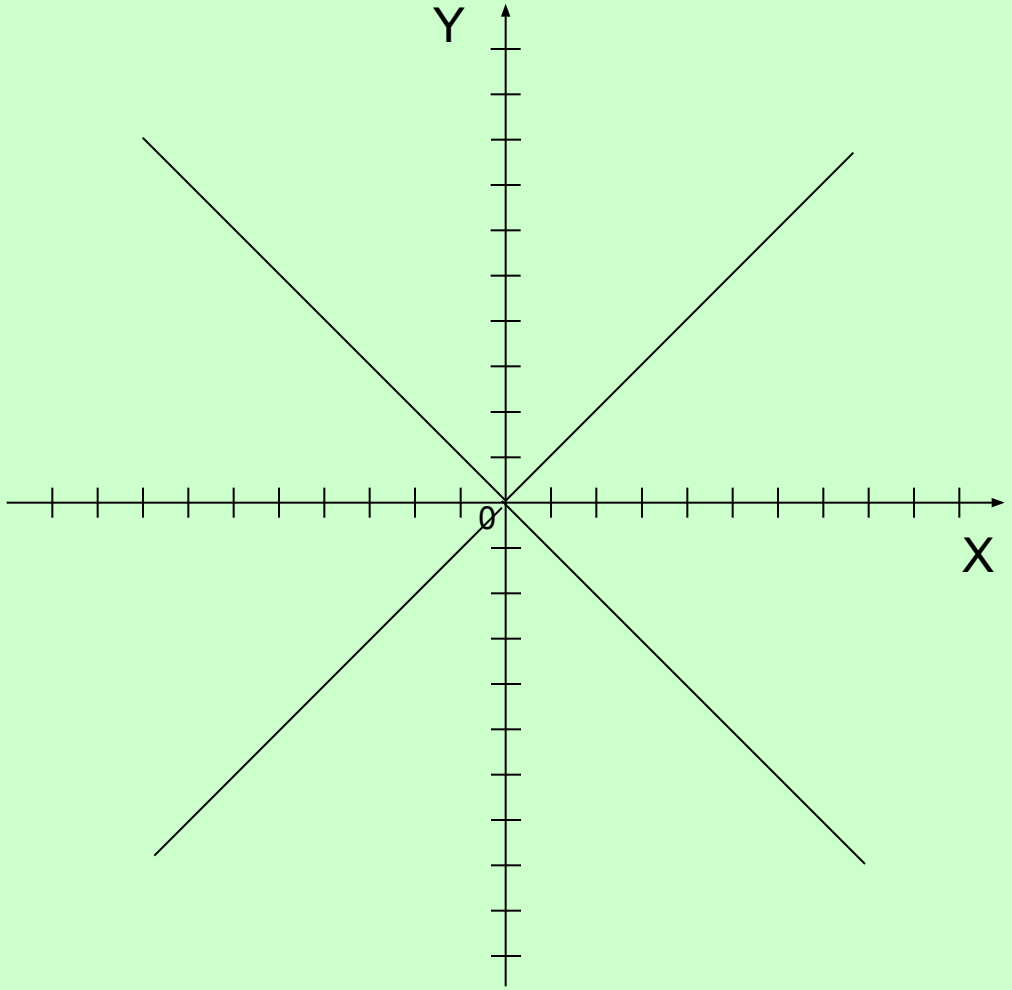


|Y|=|X|

Y=|X|

D(y)=(-∞;+∞)

X
Y
-Y

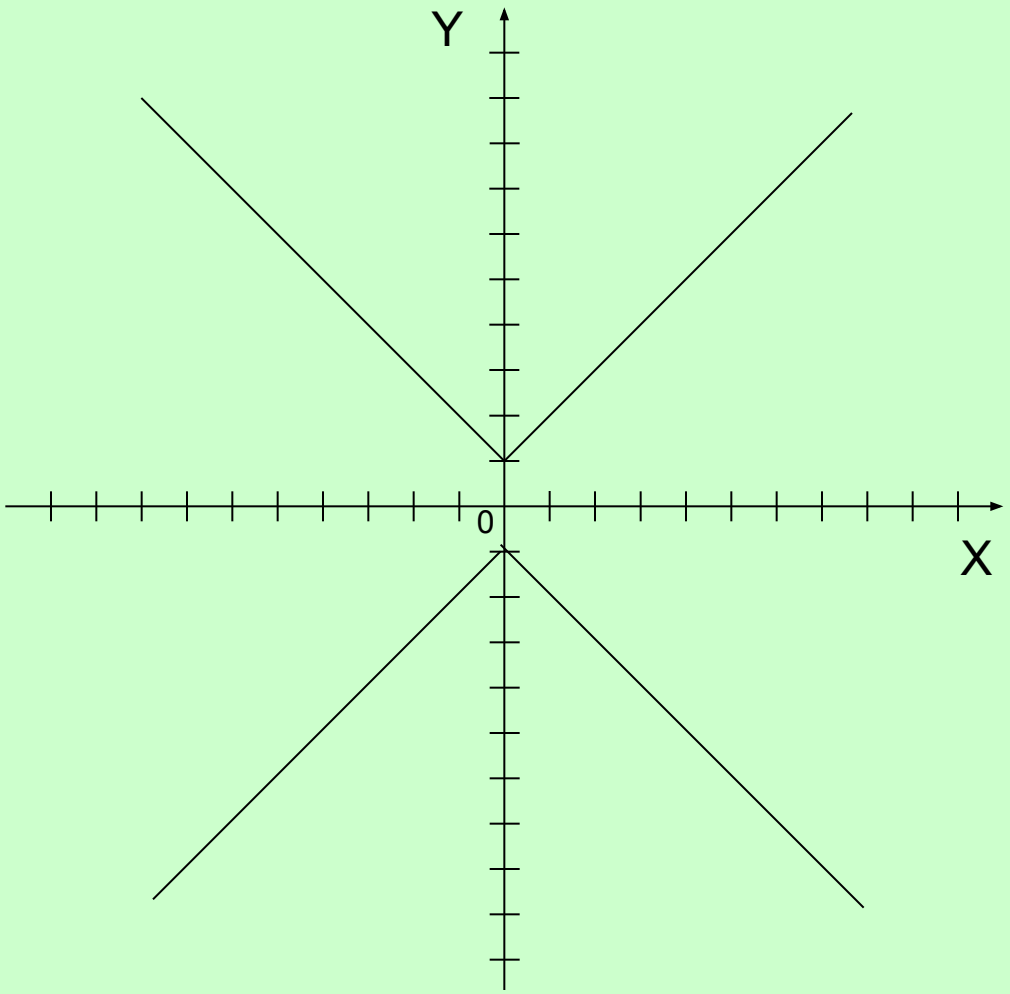


|Y|=|X|+1

Y=|X|+1

D(y)=(-∞;+∞)

X
Y
-Y

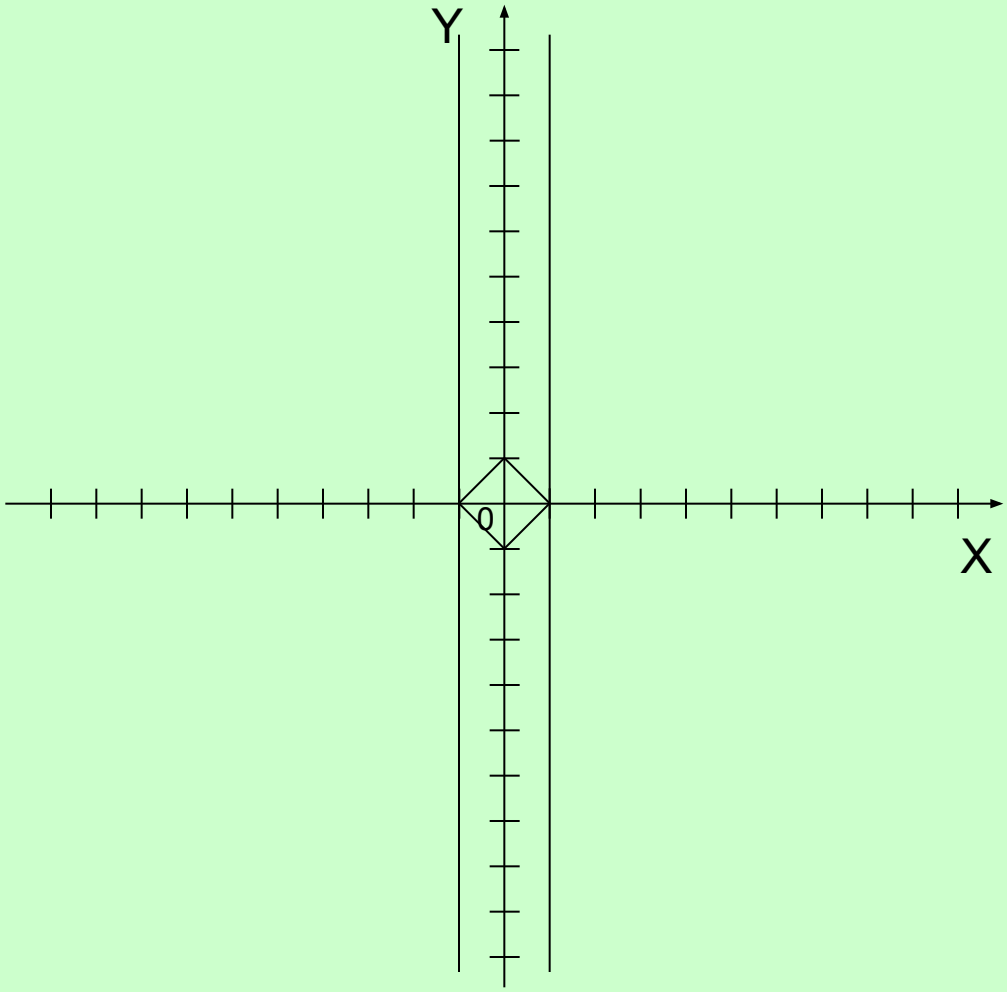


|Y|=1-|X|

$1-|X|\geq 0$

$-1\leq X\leq 1$

X	
Y	
-Y	



|Y|=|X|-2

|Y|-неотрицательное число

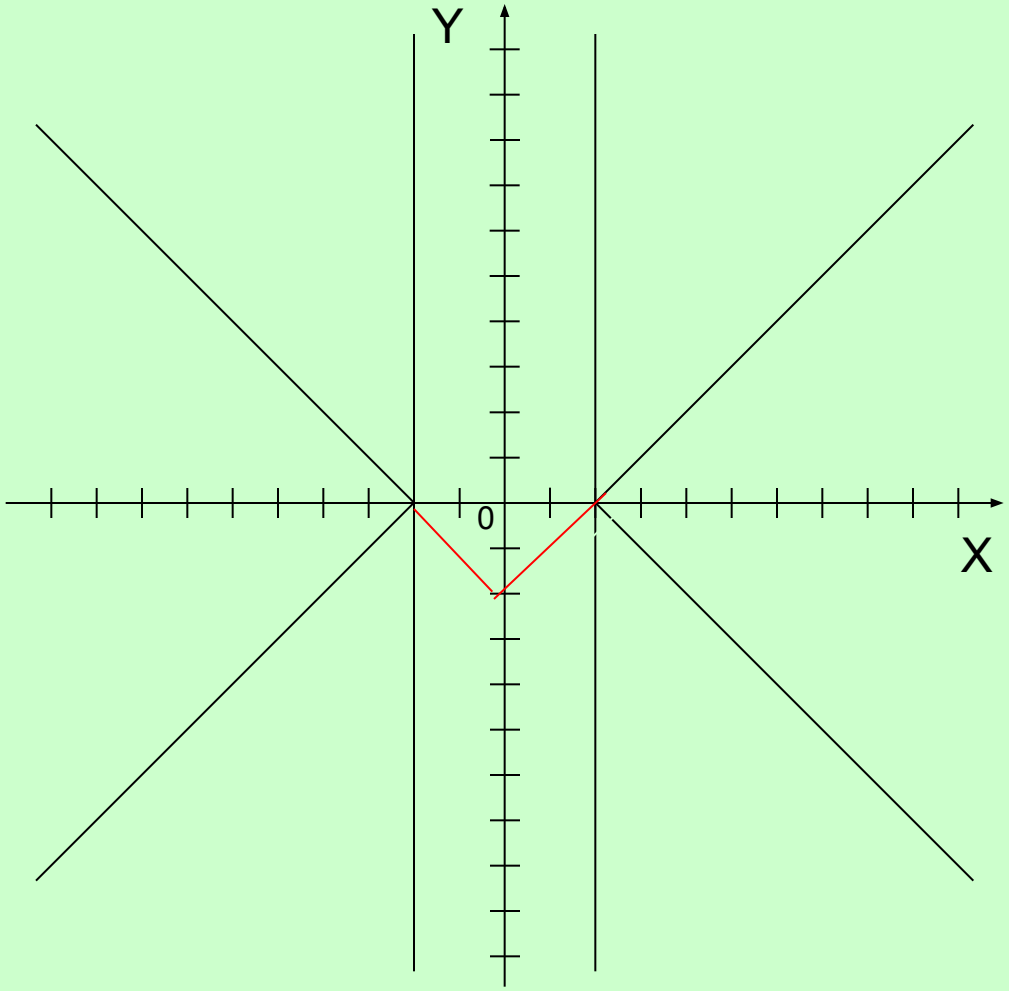
|X|-2≥0

|X|≥2

D(y)=(-∞;-2);(2;+∞)

Y=|X|-2

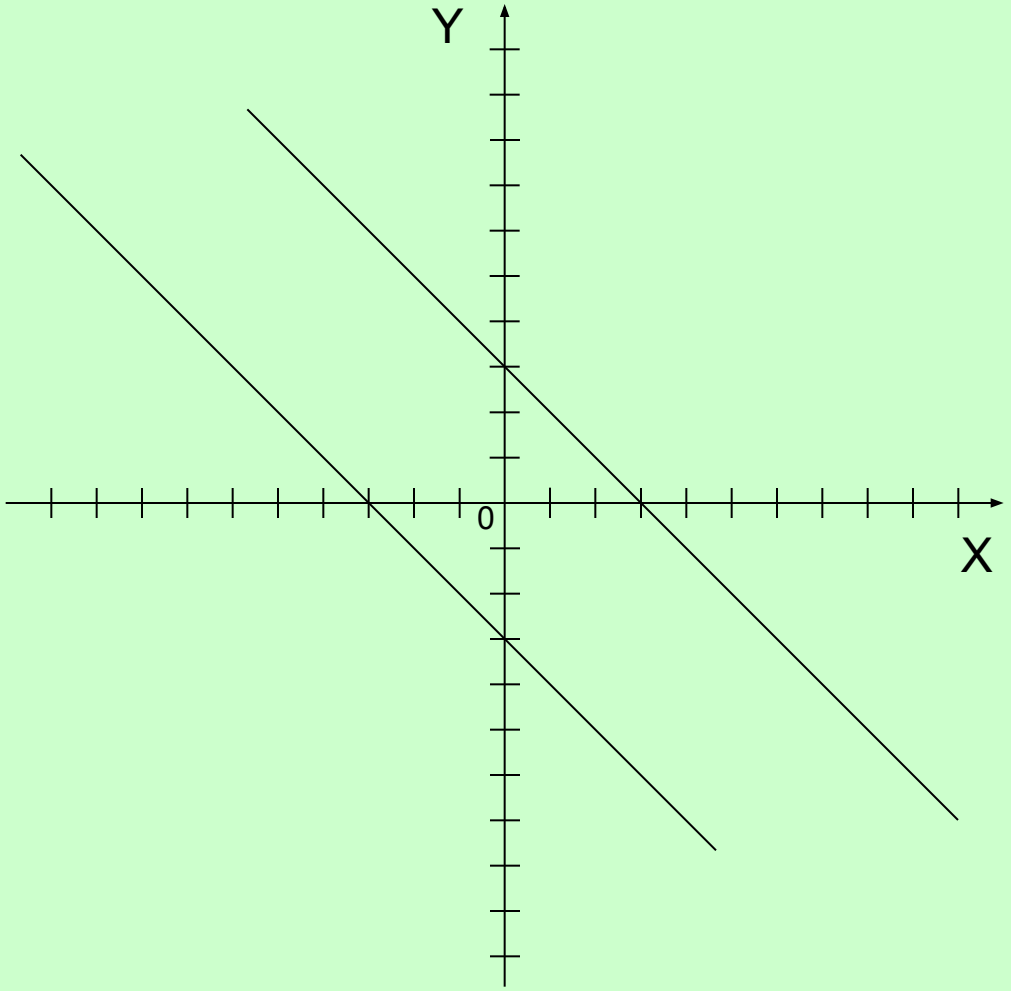
X
Y
-Y



|Y+X|=3

$$\begin{cases} X+Y=3 \\ X+Y=-3 \end{cases}$$

$$\begin{cases} Y=3-X \\ Y=-3-X \end{cases}$$

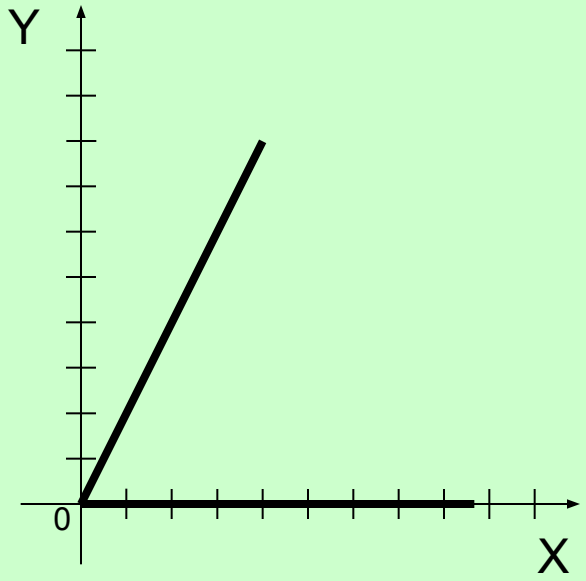


|Y-X|=X

$X \geq 0$

$$\begin{cases} Y-X=X \\ Y-X=-X \end{cases}$$

$$\begin{cases} Y=2X \\ Y=0 \end{cases}$$



||X|-|Y||=1

(2) $|Y|=|X|+1$

$|X|+1\geq 0$

$|X|\geq -1$ $D(y)=(-\infty;+\infty)$

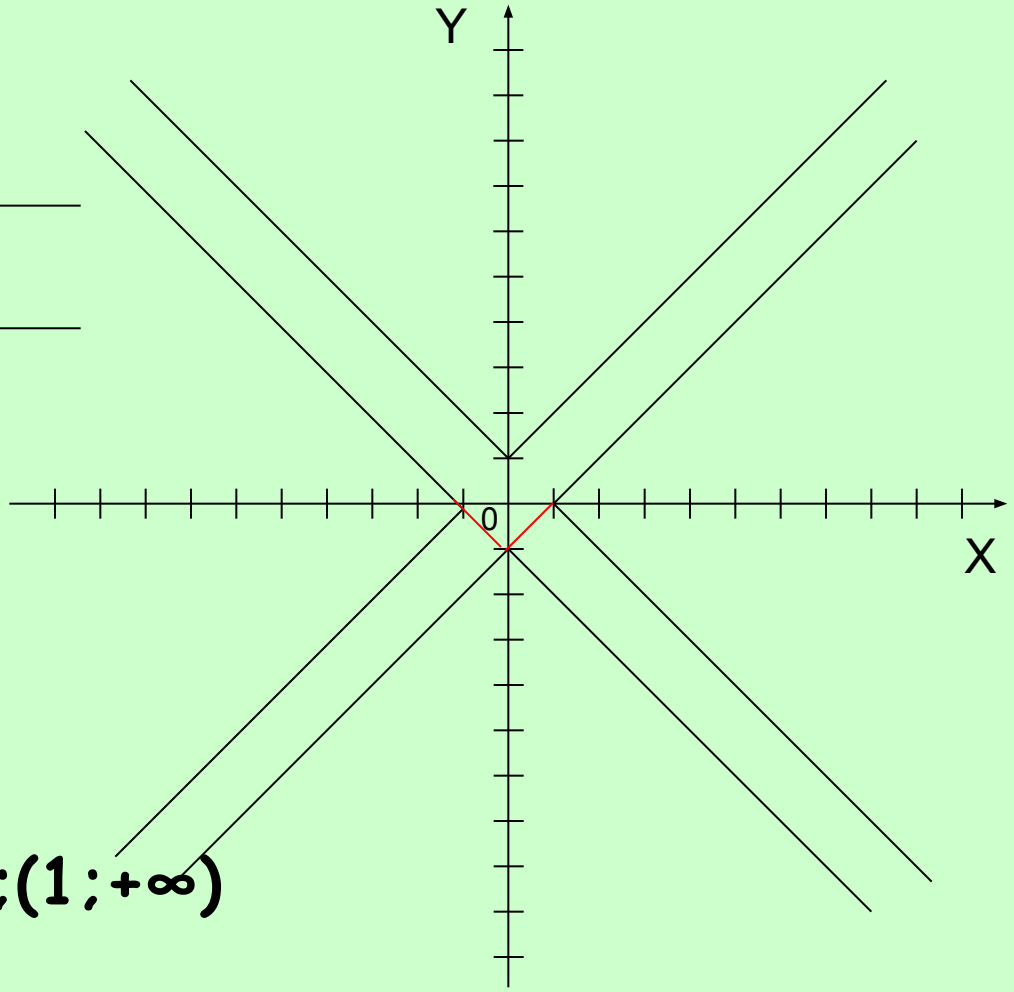
$$\left[\begin{array}{l} |X|-|Y|=1 \\ |X|-|Y|=-1 \end{array}\right.$$

$$\left[\begin{array}{ll} |Y|=|X|-1 & (1) \\ |Y|=|X|+1 & (2) \end{array}\right.$$

Y

Y

-Y



(1) $|Y|=|X|-1$

$|X|-1\geq 0$

$|X|\geq 1$ $D(y)=(-\infty;-1);(1;+\infty)$