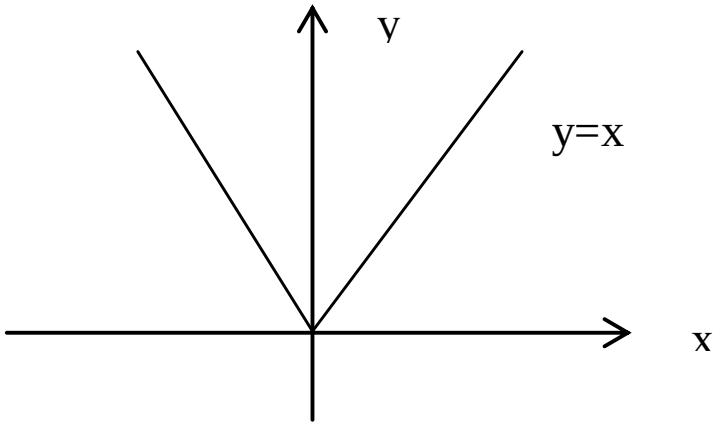
Mavzu: $y=|x|$, $y=[x]$ va $y=\{x\}$ funksiyalar

Biz bilamizki $|x|$ ifoda har qanday ma`noga ega bo`lgani uchun bu funksiyaning aniqlanish soxasi hamma sonlar to`plami bo`ladi.

Agar x≥0 bo`lsa $|x|$ =x agar x<0 bo`lsa $|x|$ =-x bo`ladi.

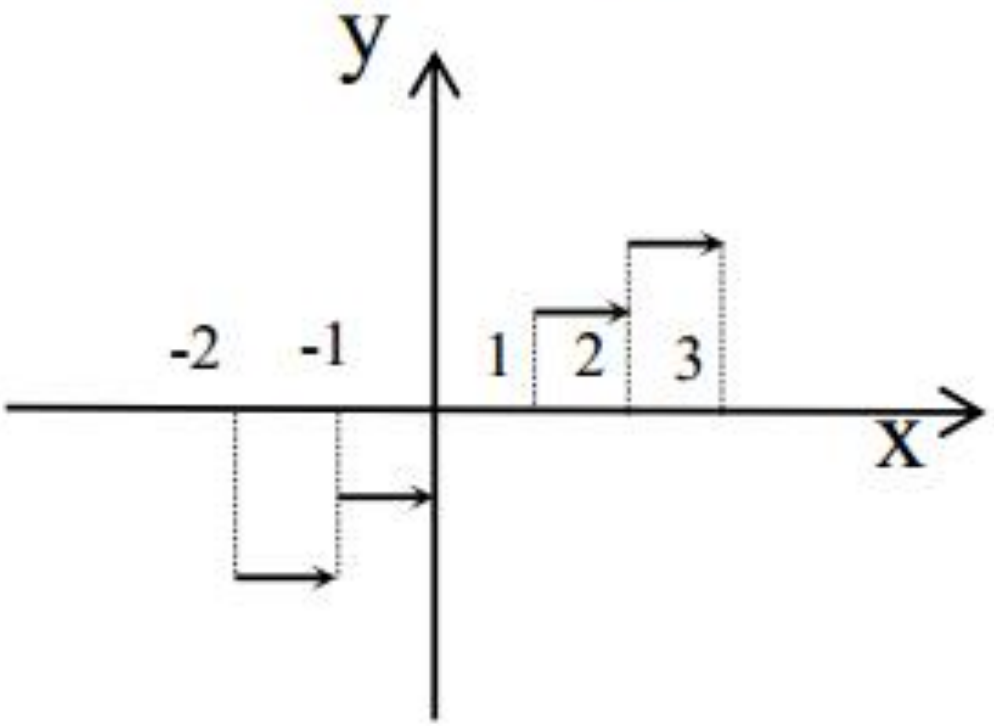
y= $|x|$ funksiyani quyidagicha ifodalash mumkin.

$$|x|=\begin{cases} x, агар\ x\geq 0, булса, \\ -x, агар\ x<0, булса \end{cases}$$



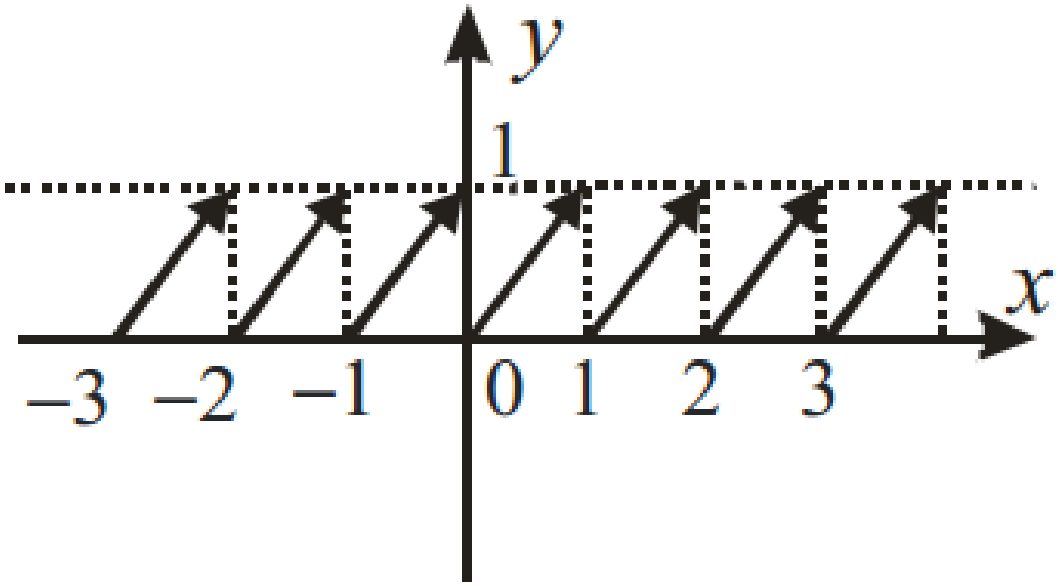
$y=[x]$ - sonning butun qismi

Grafigi:



[2,31]=2
[12.64]=12
[-3,76]=-4
[-1,24]=-2

$y=\{x\}$ – sonning kasr qismi davriy funksiya



{5,76}=0,76
{2,76}=0,76
{-5,26}=0,74
{-1,24}=0,76
{1,24}=0,24