

The Greatest Integer or Floor Function w/ Graphing

$$y = [x]$$

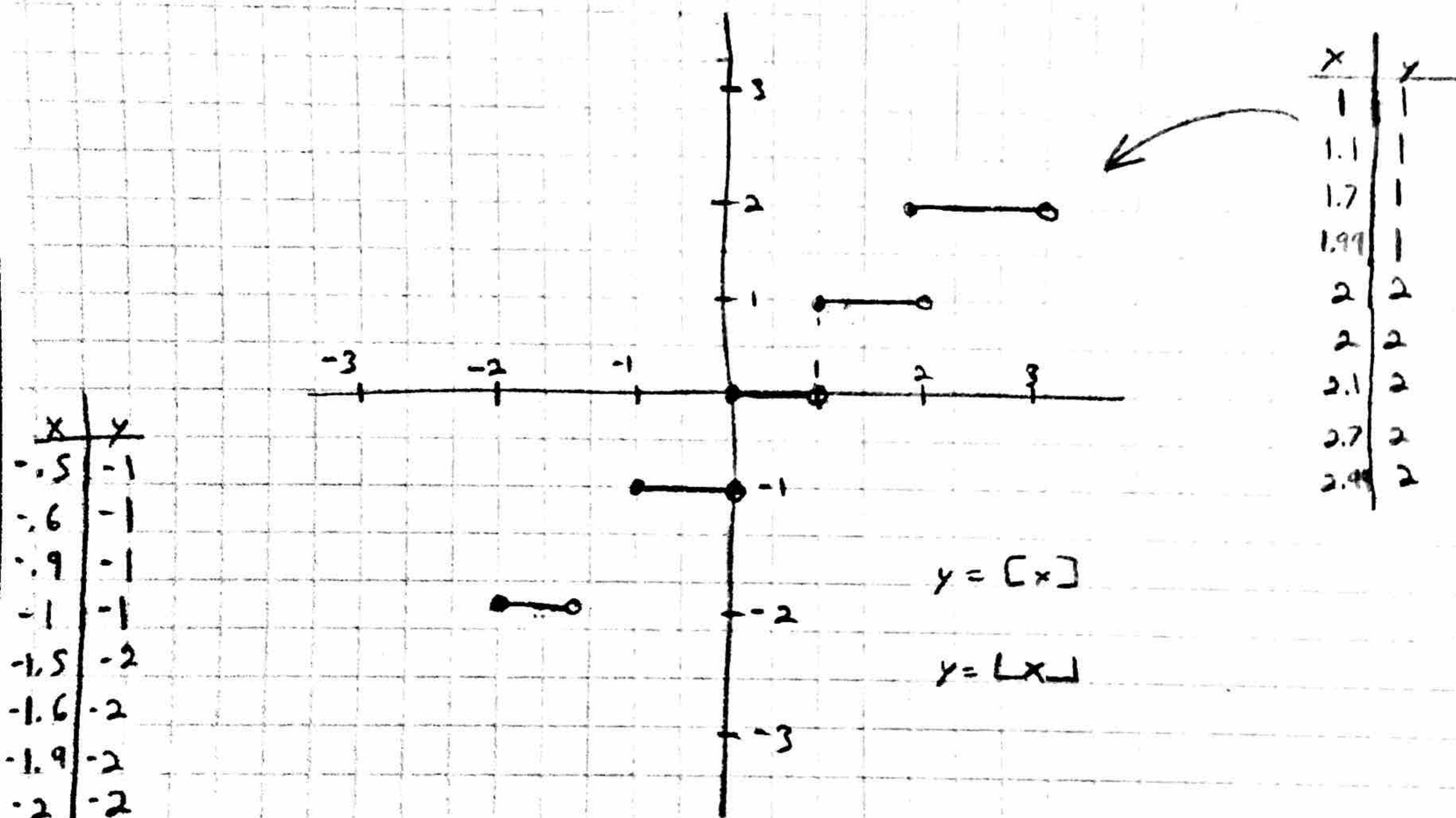
$$y = \lfloor x \rfloor$$

The Greatest Integer Function will Round Any Number Down To The Nearest Integer.

$$y = [x],$$

$$y = [x-3],$$

$$y = [x] - 2$$



Plug in x values and the y values floor down to the lowest integer.

x	y
0.5	0
0.6	0
0.7	0
.99	0
0	0

In this case its



Pretty much you're chopping off truncating the decimal

$$y = [x]$$

$$y = f(x-b)$$

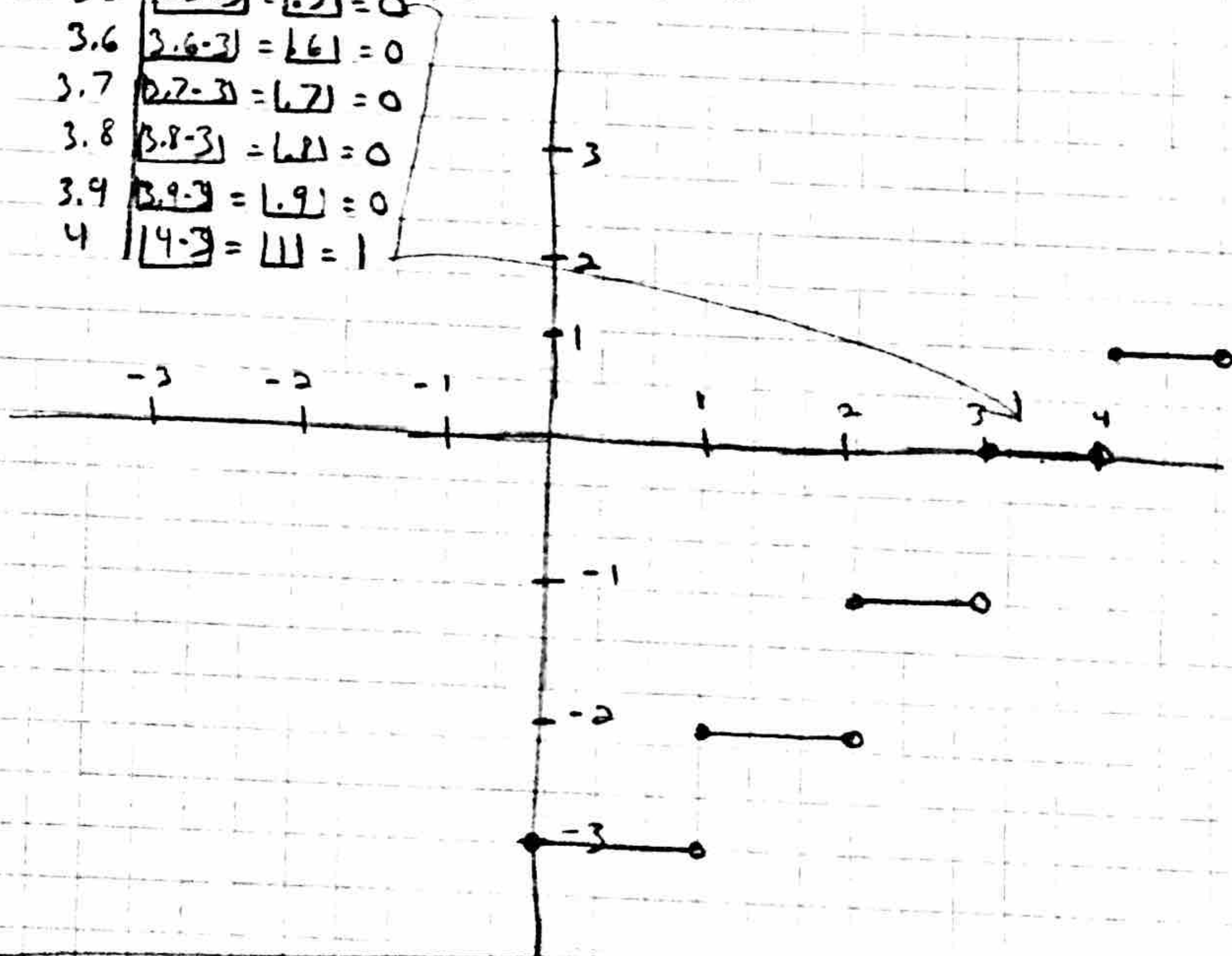
$$y = [x-3]$$

$$y = [x] + 2$$

Shift 3 units to the right

x	y
3.5	$[3.5-3] = [0.5] = 0$
3.6	$[3.6-3] = [0.6] = 0$
3.7	$[3.7-3] = [0.7] = 0$
3.8	$[3.8-3] = [0.8] = 0$
3.9	$[3.9-3] = [0.9] = 0$
4	$[4-3] = [1] = 1$

Get The Floor



$$y = f(x)-b$$

$y = [x] - 2 \rightarrow$ Shift down 2 units

$$y = [x] - 2$$

Go down 2 units

Think "Jump move over"
("Drop move over")

