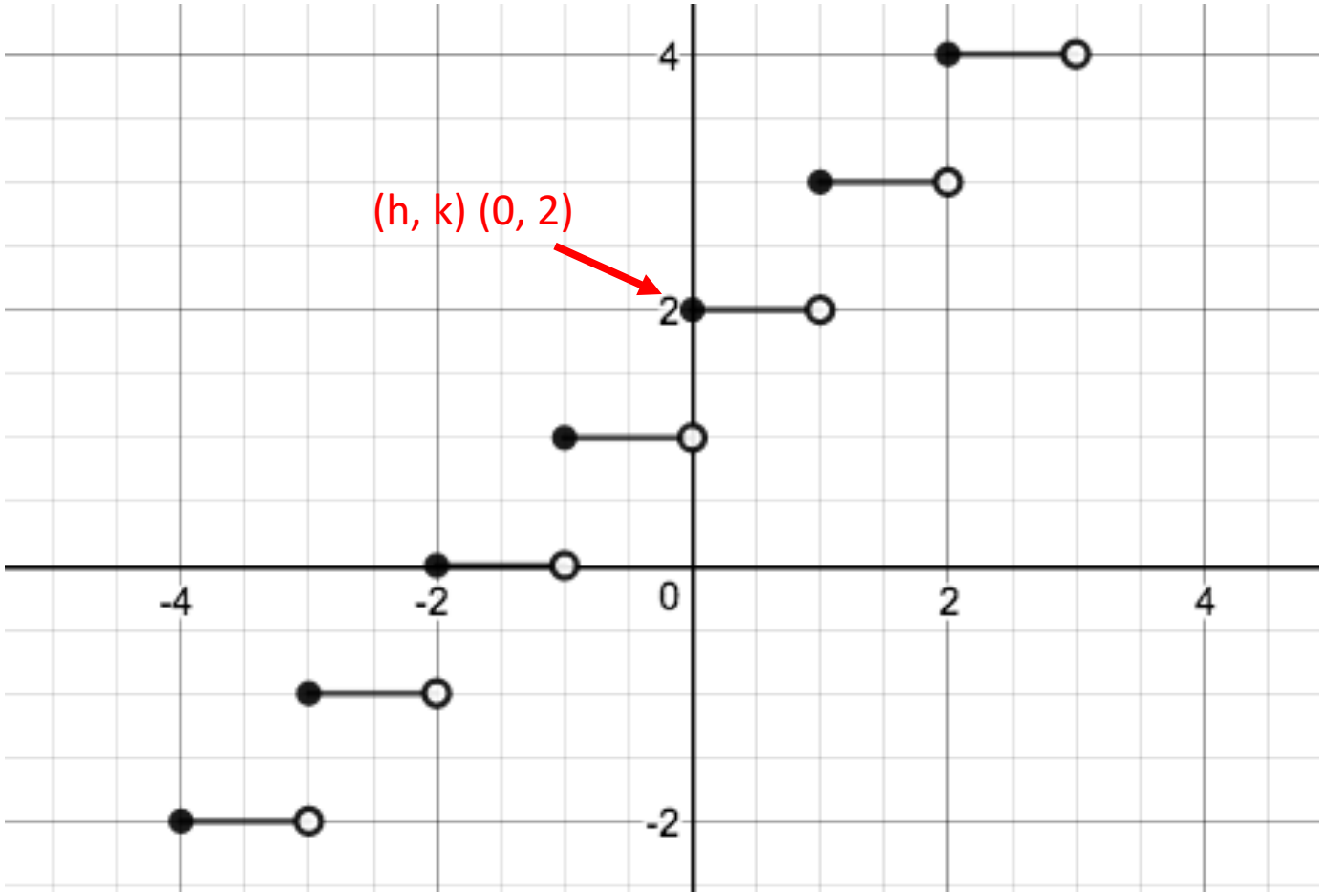
Activity 2.6

1. $y = \left[x \right] + 2$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between steps = 1
b = 1	basic	Length step = |1/b| = 1 b > 0
h = 0	basic	
k = 2	Translation 2 units upwards	
(h, k) (0,2)	NA	Starting point 1st black dot
$a \bullet b =$ positive	NA	Steps are going up

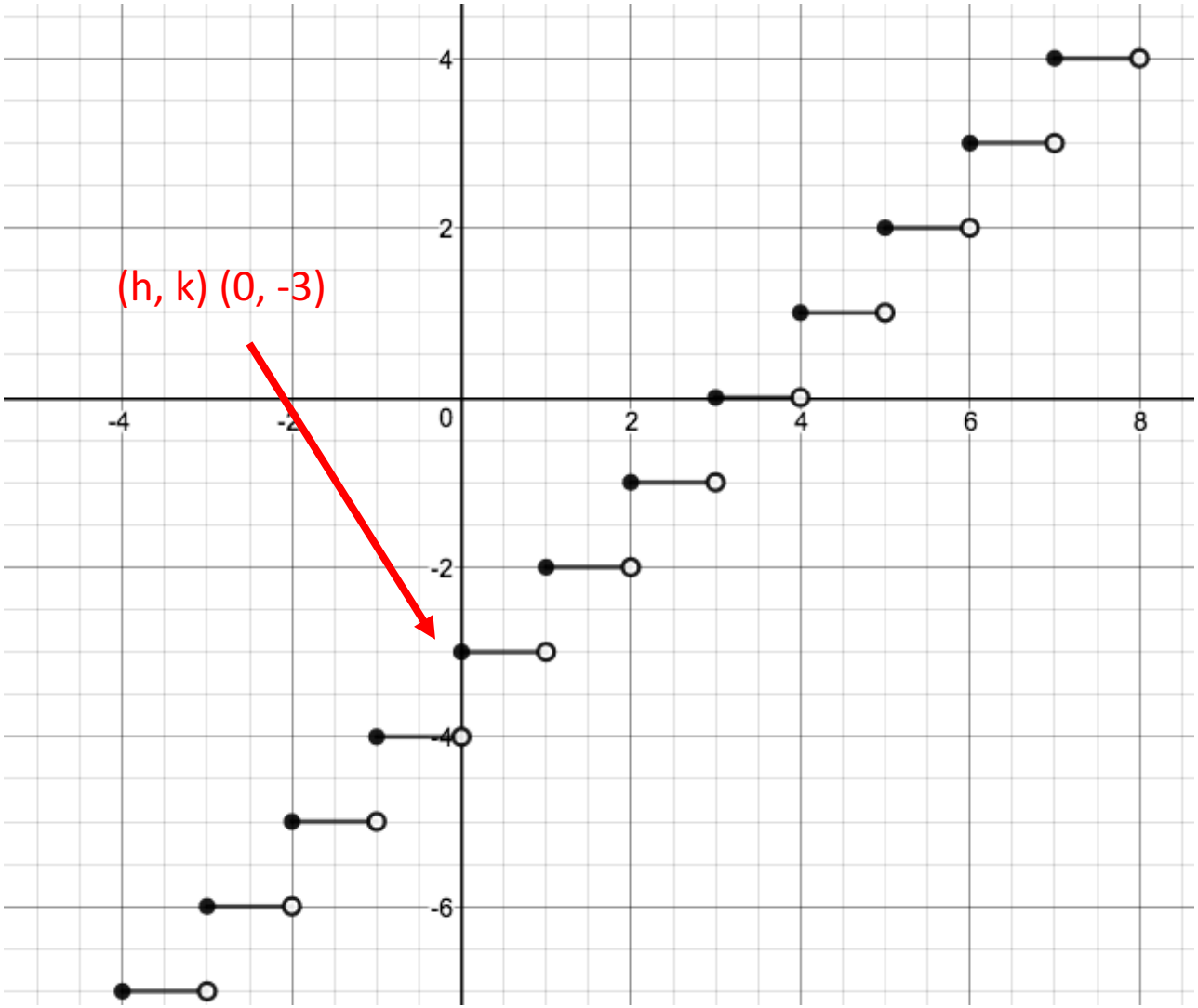
1. $y = \left[x \right] + 2$



2. $y = [x] - 3$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between steps = 1
b = 1	basic	Length step = |1/b| = 1 b > 0
h = 0	basic	
k = -3	Translation 3 units down	
(h, k) (0, -3)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

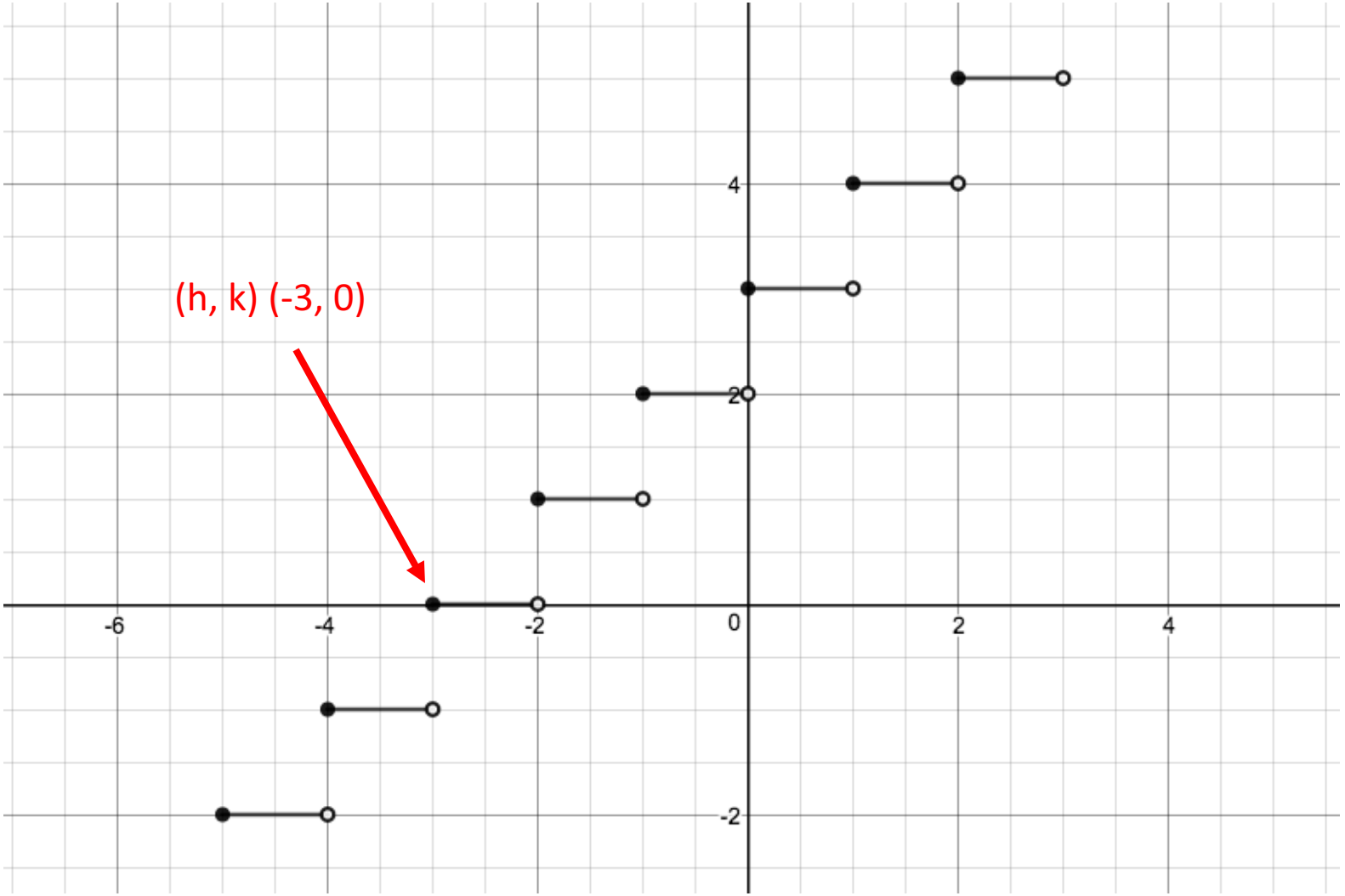
2. $y = [x] - 3$



3. $y = \left[\left(x+3\right)\right]$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between steps = 1
b = 1	basic	b > 0 Length step = 1
h = -3	Translation 3 units left	
k = 0	basic	
(h, k) (-3,0)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

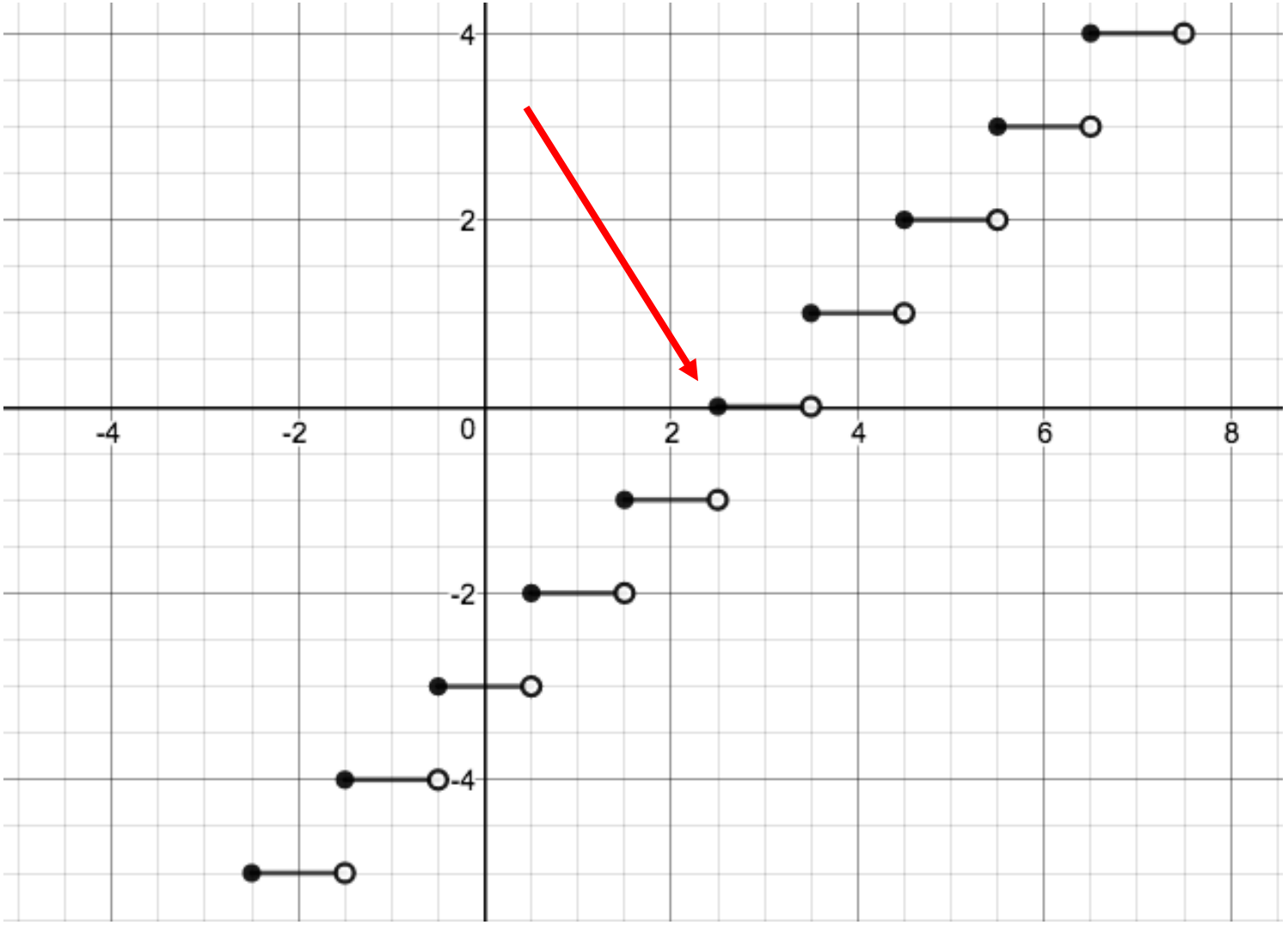
3. $y = \left[\left(x+3\right)\right]$



4. $y = \left[\left(x - 2.5\right)\right]$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between each step = 1
b = 1	basic	Length step = |1/b| = 1
$h = +2.5$	Translation 2.5 units to the right	
$k = 0$	basic	
(h, k) (2.5, 0)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

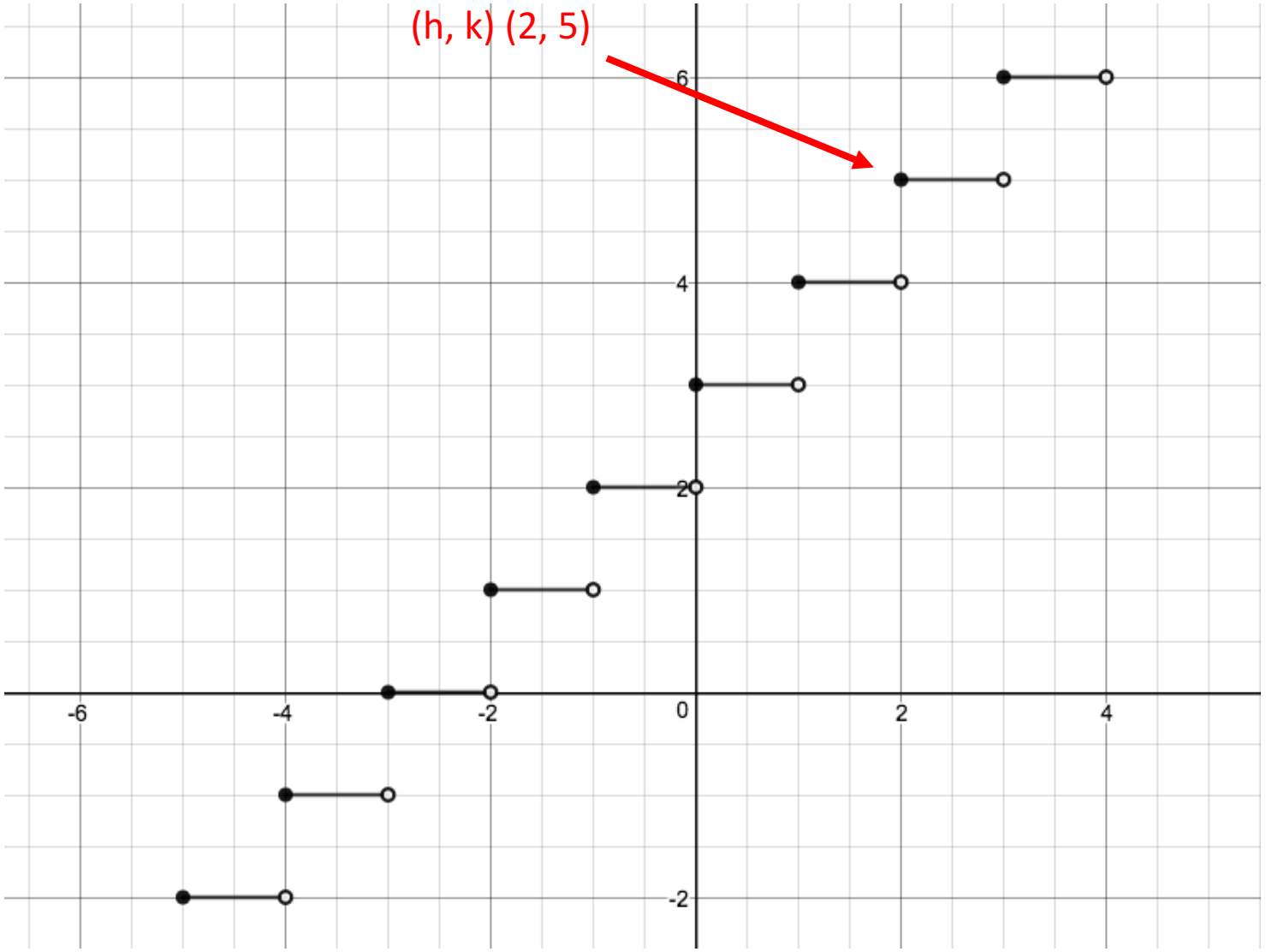
4. $y = \left[\left(x - 2.5\right)\right]$



5. $y=\left[\left(x-2\right)\right]+5$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between each step = 1
b = 1	basic	Length step = |1/b| = 1
$h = +2$	Translation 2 units to the right	
$k = 5$	Translation 5 units up	
(h, k) (2, 5)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

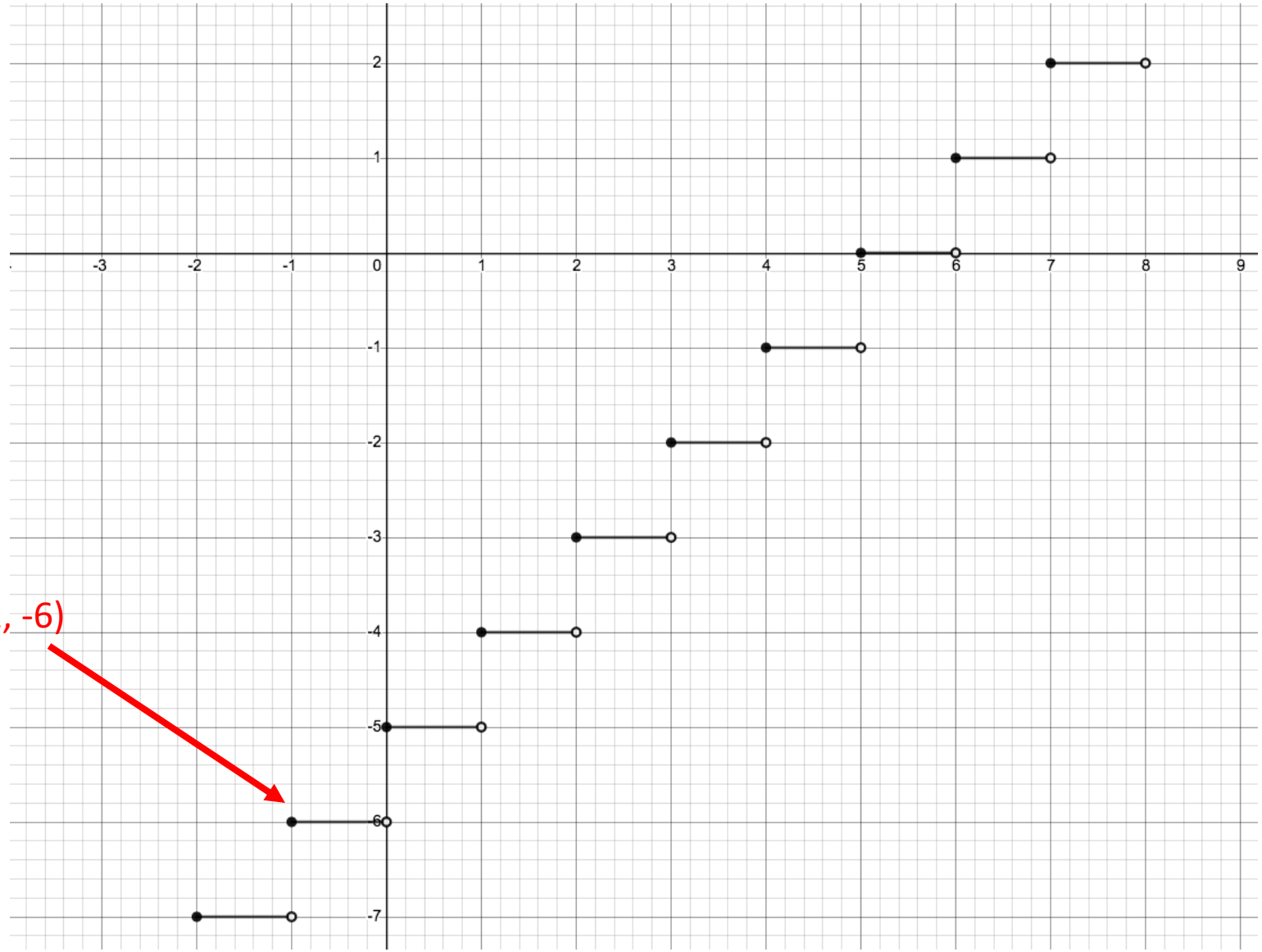
5. $y=\left[\left(x-2\right)\right]+5$



6. $y=\left[\left(x+1\right)\right]-6$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between each step = 1
b = 1	basic	Length step = |1/b| = 1
h = -1	Translation 1 units to the left	
k = -6	Translation 6 units down	
(h, k) (-1, -6)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

6. $y=\left[\left(x+1\right)\right]-6$

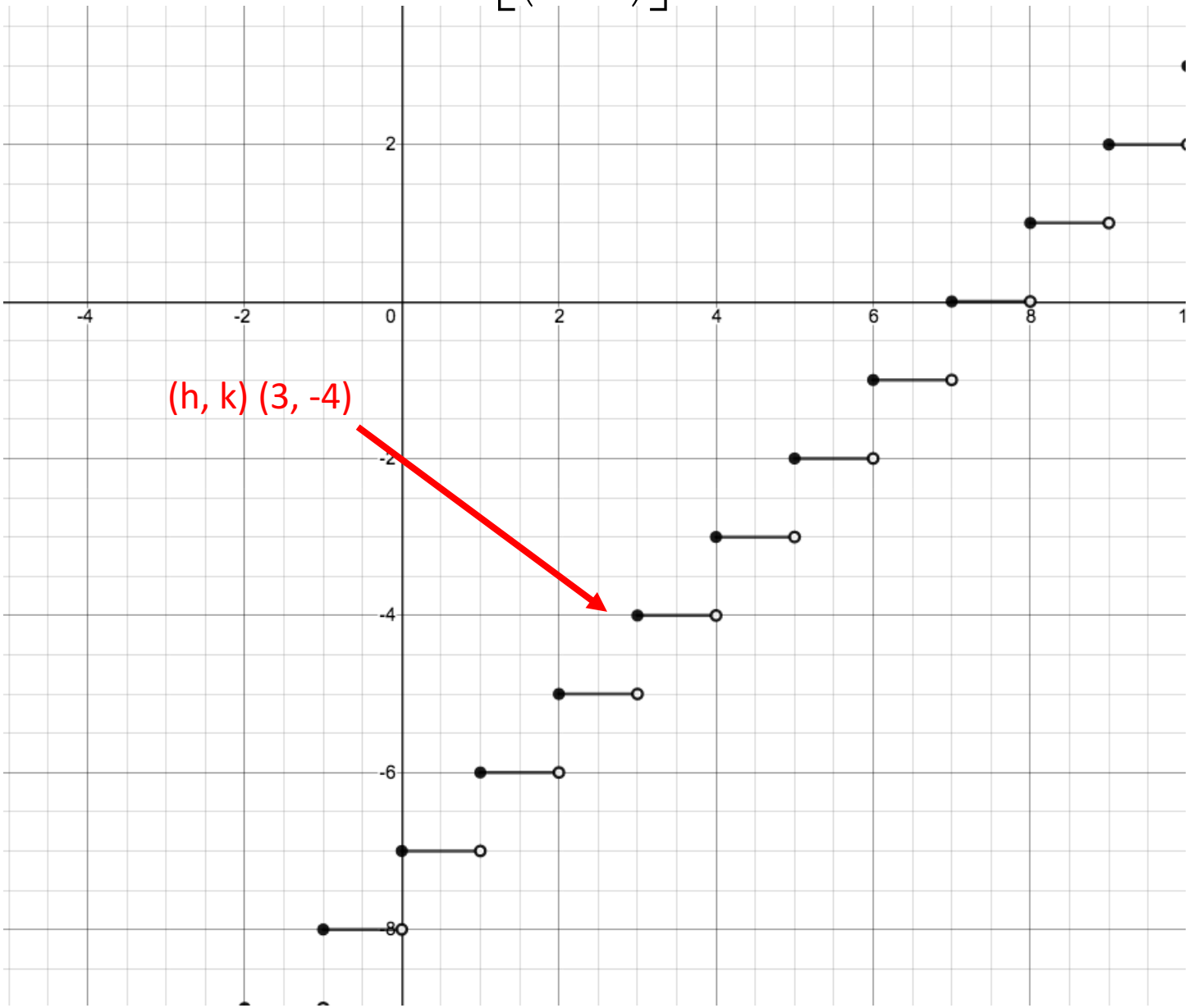


(h, k) (-1, -6)

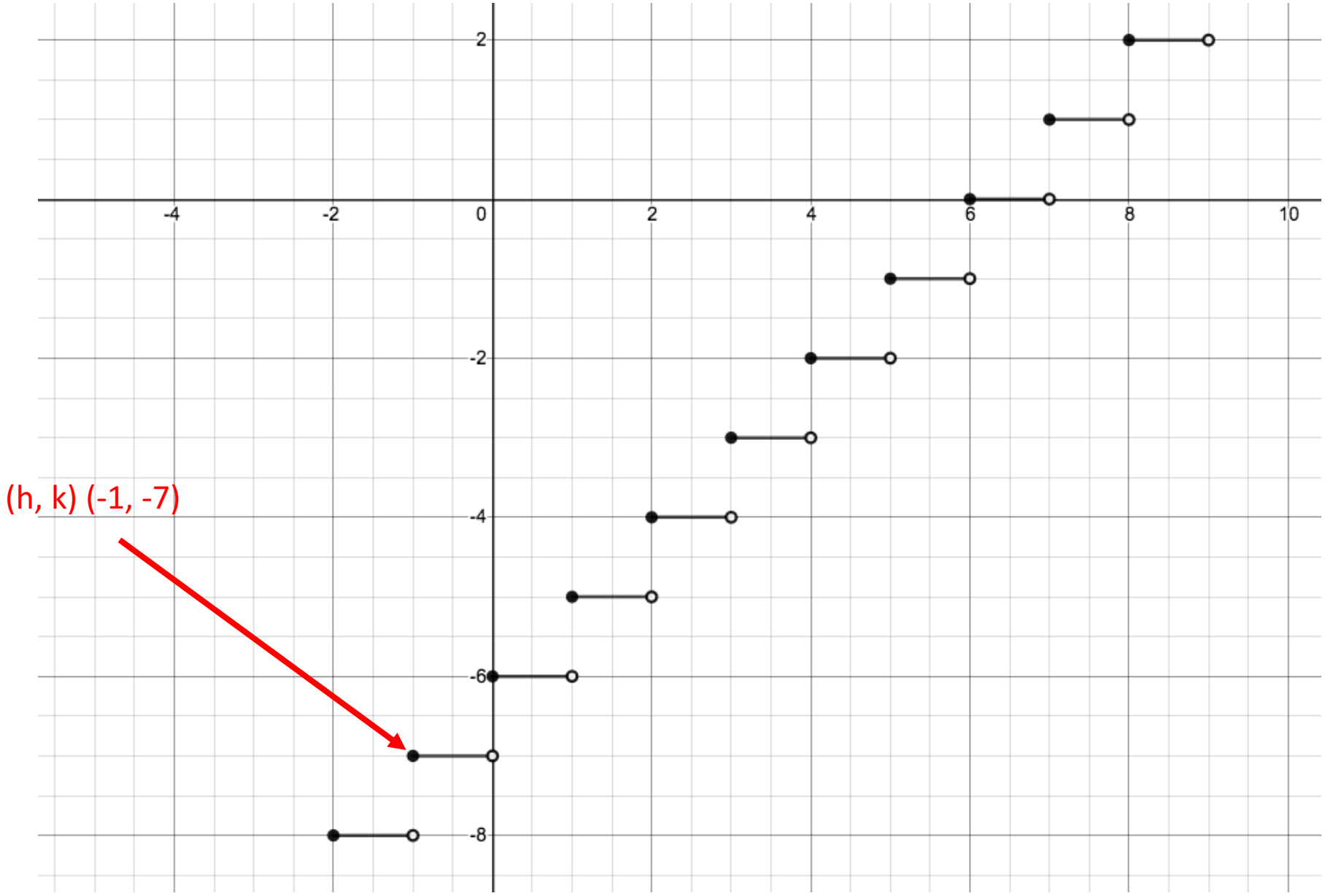
7. $y=\left[\left(x-3\right)\right]-4$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between each step = 1
b = 1	basic	Length step = |1/b| = 1
h = 3	Translation 3 units to the right	
k = -4	Translation 4 units down	
(h, k) (3, -4)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

7. $y=\left[\left(x-3\right)\right]-4$



8. $y=\left[\left(x+1\right)\right]-7$

Parameters	Geometric Transformation	Important additional Information This is your personal column
a = 1	basic	Vertical distance between each step = 1
b = 1	basic	Length step = |1/b| = 1
h = -1	Translation 1 units to the left	
k = -7	Translation 7 units down	
(h, k) (-1, -7)	X	Starting point 1st black dot
$a \bullet b =$ positive	X	Steps going up

8. $y=\left[\left(x+1\right)\right]-7$