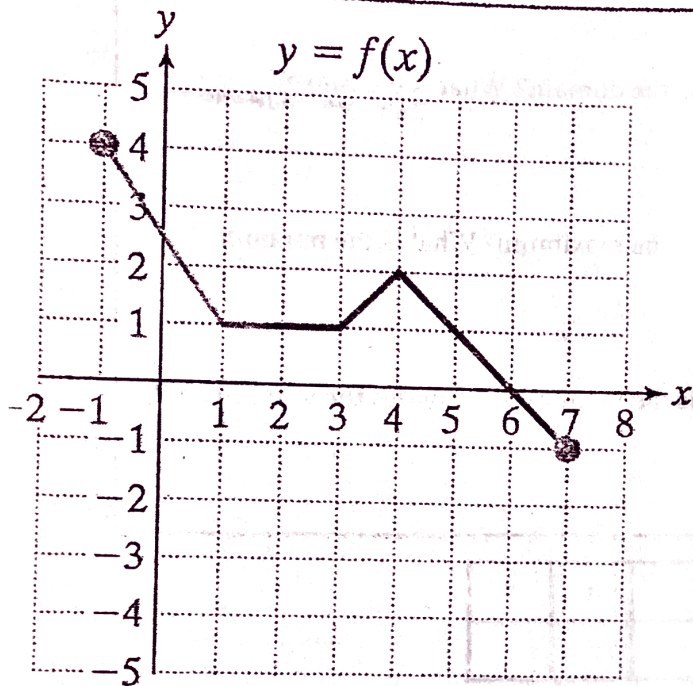


# GRAPH INVESTIGATION



$x$	$y$
-1	
0	
1	
2	
3	
4	
5	
6	
7	

Where are the intervals of increasing?  
Interval Notation

Where are the intervals of decreasing?  
Interval Notation

What is the domain?  
Set Builder Notation

What is the range?  
Set Builder Notation

What is the maximum?

What is the minimum?

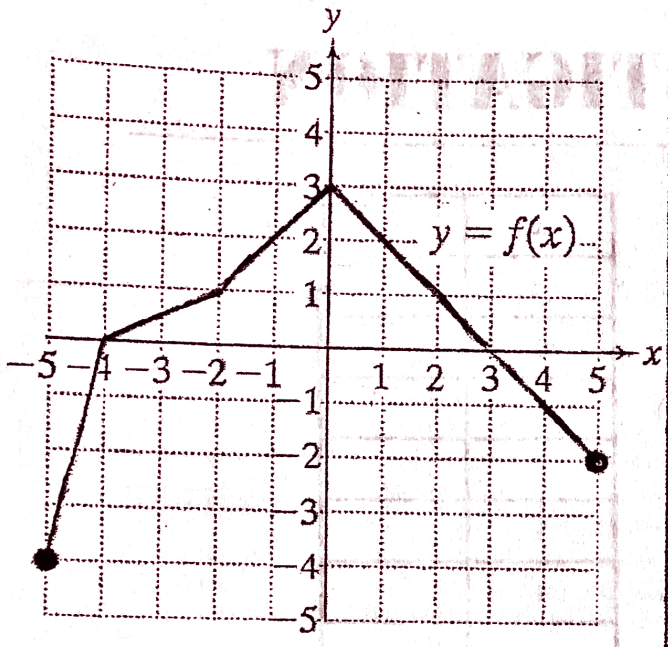
What is the x-intercept?

What is the y-intercept?

$f(4) = ?$

$f(?) = 1$

1th period



Where are the intervals of increasing? Where are the intervals of decreasing? *Interval Notation*

What is the domain? What is the range? *Interval Notation*

What is the maximum? What is the minimum?

What is the x-intercept? What is the y-intercept?

x	-5	-4	-3	-2	-1	0	1	2	3	4	5
y											

Where is  $f(x) \geq 0$ ?

Where is  $f(x) \leq 0$ ?

What is the average rate of change on the interval  $[-3, 2]$ ?

~~What is  $f(x)$ ?~~ For what  $x$  values is  $f(x) = 2$ ?

What is the end behavior?

