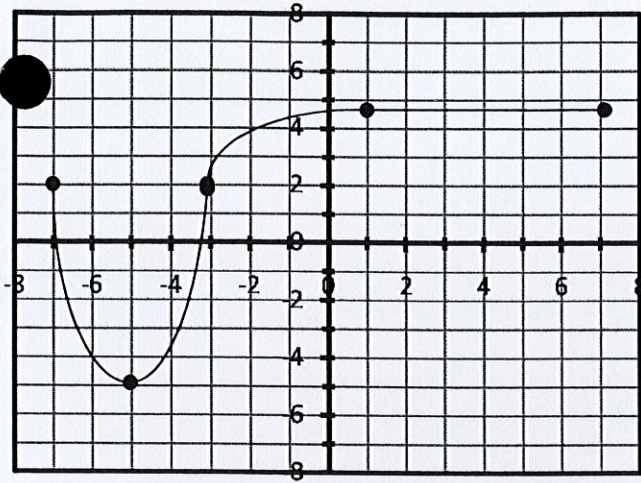


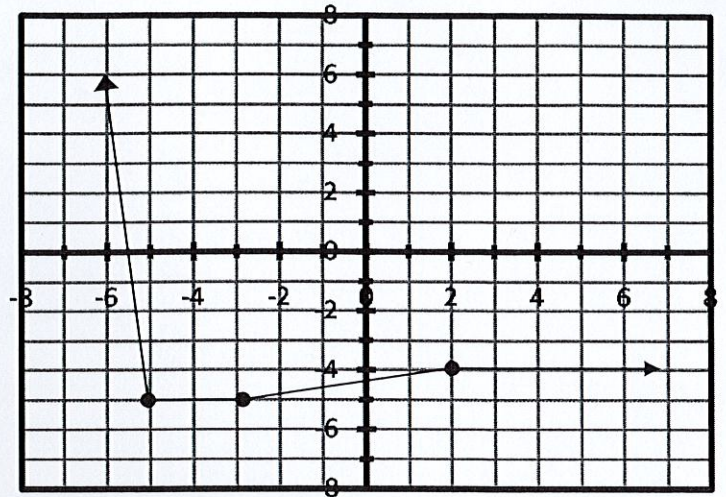
Name \_\_\_\_\_

**FUNCTION INTERVALS #2**

**PART A:** For each function below, place an  $x$  in the box that applies to each interval. (8 points)

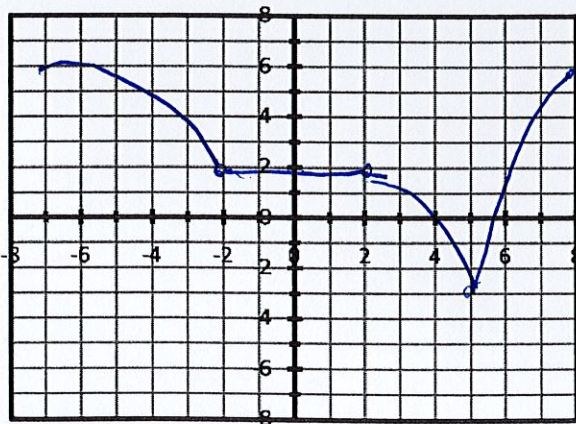


Interval	Increasing	Decreasing	Neither
$-7 < x < -5$		X	
$-5 < x < -3$	X		
$-3 < x < 1$	X		
$1 < x < 7$			X

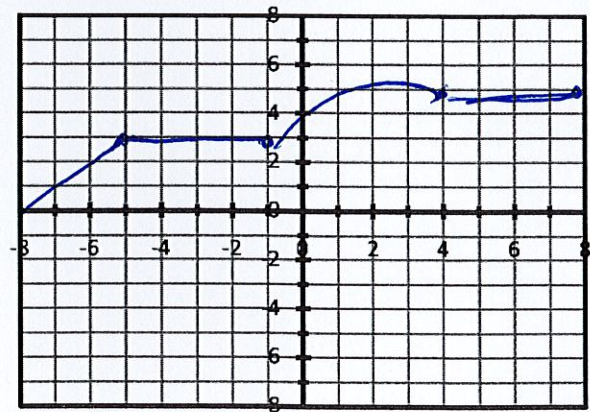


Interval	Increasing	Decreasing	Neither
$-6 < x < -5$		X	
$-5 < x < -3$			X
$-3 < x < 2$		X	
$2 < x < 6$			X

**PART B:** For each problem below, sketch a graph that matches the given intervals. (12 points—Answer vary)



Interval	Increasing	Decreasing	Neither
$-8 < x < -2$		x	
$-2 < x < 2$			x
$2 < x < 5$		x	
$5 < x < 8$	x		



Interval	Increasing	Decreasing	Neither
$-8 < x < -5$	x		
$-5 < x < -1$			x
$-1 < x < 4$	x		
$4 < x < 8$			x