

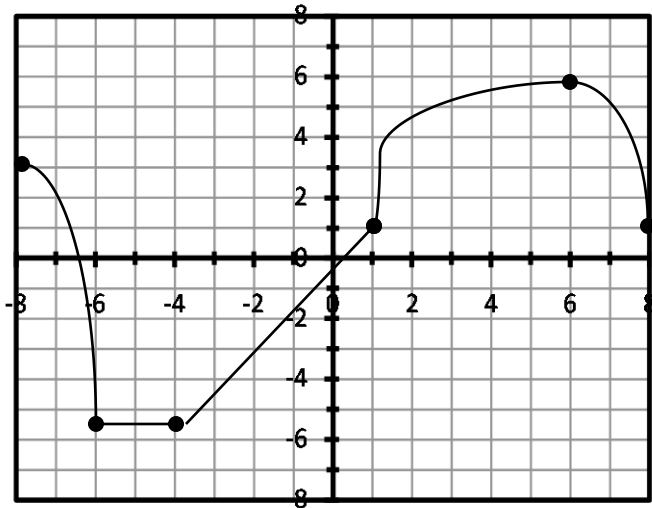
Name_____



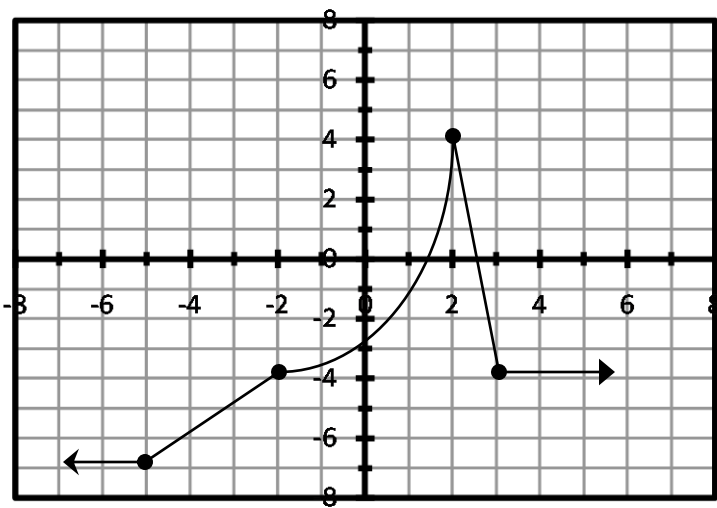
FUNCTION INTERVALS #1



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

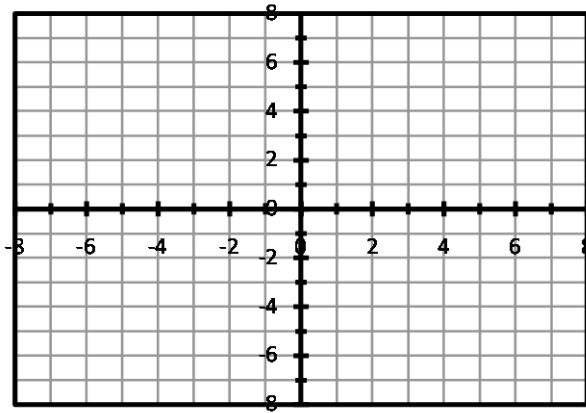
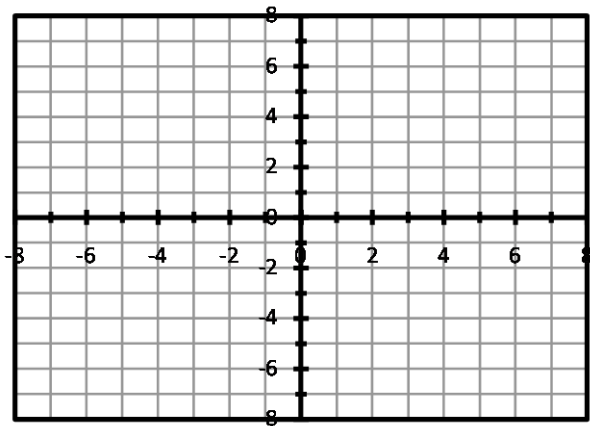


Interval	Increasing	Decreasing	Neither
$-8 < x < -6$			
$-6 < x < -4$			
$-4 < x < 1$			
$1 < x < 6$			



Interval	Increasing	Decreasing	Neither
$-7 < x < -5$			
$-5 < x < -2$			
$-2 < x < 3$			
$3 < x < 4$			

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



Interval	Increasing	Decreasing	Neither
$-8 < x < -2$			<i>x</i>
$-2 < x < 2$		<i>x</i>	
$2 < x < 5$			<i>x</i>
$5 < x < 8$	<i>x</i>		

Interval	Increasing	Decreasing	Neither
$-8 < x < -5$	<i>x</i>		
$-5 < x < 0$		<i>x</i>	
$0 < x < 4$			<i>x</i>
$4 < x < 8$	<i>x</i>		