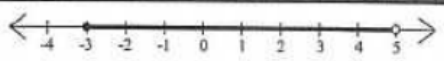
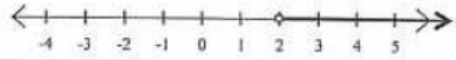
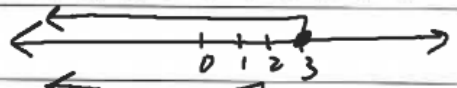
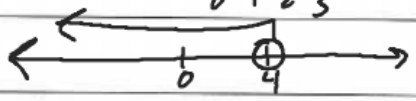
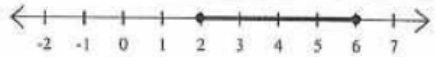
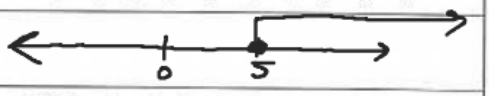
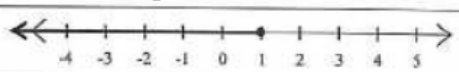
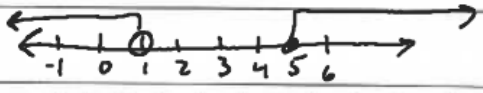
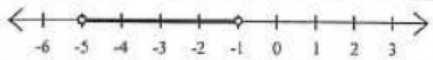
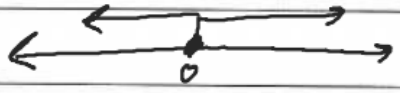
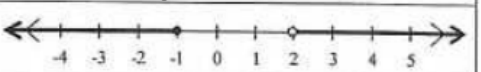
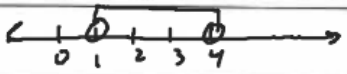
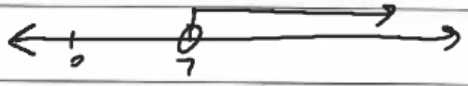
	Graph	Interval Notation
$\leq, \geq$	solid Dot	[ ]
$<, >$	open dot	( )

Introducing Interval Notation

Instructions: Fill in the missing parts in the chart below.

	Inequality	Interval Notation	Graph
Ex.	$-3 \leq x < 5$	$[-3, 5)$	
Ex.	$x > 2$	$(2, \infty)$	
1.	$x \leq 3$	$(-\infty, 3]$	
2.	$x < 4$	$(-\infty, 4)$	
3.	$2 \leq x \leq 6$	$[2, 6]$	
4.	$x \geq 5$	$[5, \infty)$	
5.	$x \leq 1$	$(-\infty, 1]$	
6.	$x < 1$ or $x \geq 5$	$(-\infty, 1) \cup [5, \infty)$	
7.	$-5 < x < -1$	$(-5, -1)$	
8.	x is any real #	$(-\infty, \infty)$	
9.	$x \leq -1$ or $x > 2$	$(-\infty, -1] \cup (2, \infty)$	
10.	$1 < x < 4$	$(1, 4)$	
11.	$x > 7$	$(7, \infty)$	
12.	$-2 \leq x \leq 2$	$[-2, 2]$