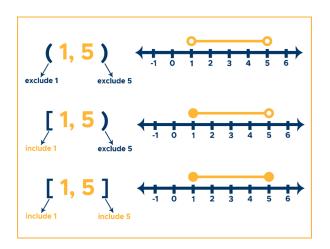
Your Name August 26th 2025

## Math 115E Activity 1

 $\begin{array}{c} {\rm Chapter} \ 1 \ {\rm Section} \ 2 \\ {\rm Representing} \ {\rm Collections} \ {\rm of} \ {\rm Numbers} \end{array}$ 

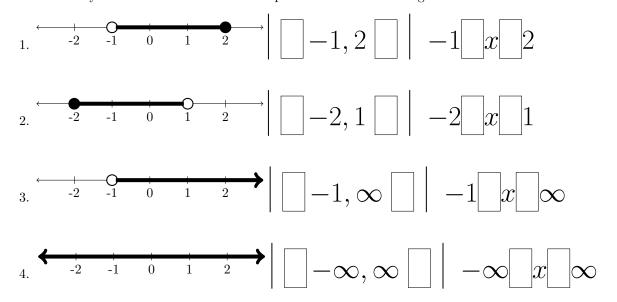
## How to use Interval Notation



Interval Notation	
(a, b)	a < x < b
[a, b]	$a \le x \le b$
(a,b]	$a < x \le b$
[a,b)	$a \le x < b$
$(-\infty,c)$	<i>x</i> < <i>c</i>
$(-\infty, c]$	$x \le c$
(c,∞)	<i>x</i> > <i>c</i>
[ <i>c</i> ,∞)	$x \ge c$

## **Practice Problems**

In this section you will fill in the blank with a parenthesis or a bracket given the bound on the number line



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