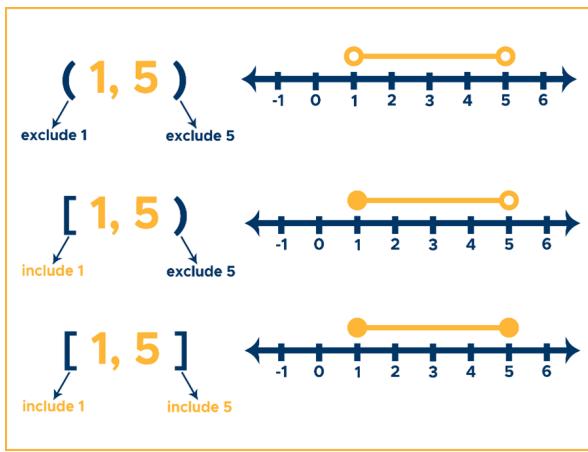


Math 115E Activity 1

Chapter 1 Section 2
Representing Collections of Numbers

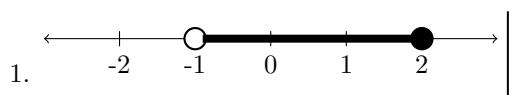
How to use Interval Notation

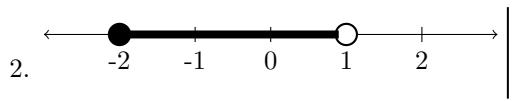


Interval Notation	
(a, b)	$a < x < b$
$[a, b]$	$a \leq x \leq b$
$(a, b]$	$a < x \leq b$
$[a, b)$	$a \leq x < b$
$(-\infty, c)$	$x < c$
$(-\infty, c]$	$x \leq c$
(c, ∞)	$x > c$
$[c, \infty)$	$x \geq c$

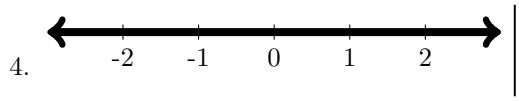
Practice Problems

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

1.  $\boxed{-1}, 2 \boxed{\quad}$ $\boxed{-1} \boxed{x} \boxed{2}$

2.  $\boxed{-2}, 1 \boxed{\quad}$ $\boxed{-2} \boxed{x} \boxed{1}$

3.  $\boxed{-1}, \infty \boxed{\quad}$ $\boxed{-1} \boxed{x} \boxed{\infty}$

4.  $\boxed{-\infty}, \infty \boxed{\quad}$ $\boxed{-\infty} \boxed{x} \boxed{\infty}$

