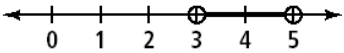
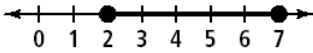
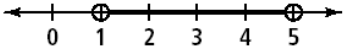


# 3-6 ELL Support

## Compound Inequalities

Complete the vocabulary chart by filling in the missing information.

Word or Word Phrase	Definition	Picture or Example
<b>and</b>	A solution of a compound inequality involving <i>and</i> is any number that makes <i>both</i> inequalities true.	$x > 3$ and $x < 5$ 
<b>compound inequality</b>	A <i>compound inequality</i> consists of two distinct inequalities joined by the word <i>and</i> or the word <i>or</i> .	<b>1.</b>
<b>inclusive</b>	<b>2.</b>	$2 \leq x \leq 7$ 
<b>infinity</b>	<i>Infinity</i> is a quantity that is greater than every real number.	<b>3.</b>
<b>interval</b>	<b>4.</b>	
<b>interval notation</b>	You can also use <i>interval notation</i> to describe an interval on the number line. Interval notation includes the use of three special symbols.	<b>5.</b>
<b>or</b>	<b>6.</b>	$x > 5$ or $x \leq 3$ 