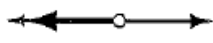

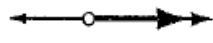



## Solving Inequalities Cue Card – Words Only

<b>Inequality Symbols:</b> <b>Always read</b> <b>from the variable!</b>	Symbol	Words	Graph
	$<$	"less than"	
	$\leq$	"less than or equal to", "no more than", "at most"	
	$>$	"greater than"	
	$\geq$	"greater than or equal to" "no less than" "at least"	

Example:  $x > 5$  reads "x is greater than 5";  $5 > x$  reads "x is less than 5".

Inverse Operations: Addition & Subtraction  
 Positive # & Negative #  
 Multiplication & Division

When Multiplying or Dividing  
 by a negative number  
**FLIP THE SYMBOL!**

### Solving 1-Step Inequalities Cue Card

<b>Step 1:</b>	Use inverse operations to undo the constant or coefficient on the <b>same side of the variable</b> <b>*FLIP the inequality sign if you multiply or divide by a negative number</b>
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### Solving 2-Step Inequalities Cue Card

<b>Step 1:</b>	Use inverse operations to undo the constant on the <b>same side of the variable</b>
<b>Step 2:</b>	Undo the multiplication or division <b>*FLIP the inequality sign if you multiply or divide by a negative number</b>

### Solving Multi-Step Inequalities

(v1)

<b>Step 1:</b>	Distribute	
<b>Step 2:</b>	Combine Like Terms on the <b>SAME</b> side of the equal sign	
<b>Step 3:</b>	Is there a variable on both sides?	
	<b>Yes;</b> Use inverse operations to move the variable term to the left	<b>No;</b> Go to Step 4
<b>Step 4:</b>	Use inverse operations to undo the constant on the <b>same side of the variable</b>	
<b>Step 5:</b>	Use inverse operations to undo any multiplication or division <b>*FLIP the inequality sign if you multiply or divide by a negative number</b>	