

<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <input data-bbox="1318 331 1419 489" style="width: 50px; height: 30px; border: 1px solid black;"/>  <input data-bbox="1190 331 1291 489" style="width: 50px; height: 30px; border: 1px solid black;"/> </div> <div style="text-align: center;"> <input data-bbox="1315 693 1416 850" style="width: 50px; height: 30px; border: 1px solid black;"/>  <input data-bbox="1187 693 1287 850" style="width: 50px; height: 30px; border: 1px solid black;"/> </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="border: 1px solid black; padding: 5px; background-color: #d3d3d3;">OR</div> <div style="border: 1px solid black; padding: 5px; background-color: #d3d3d3;">AND</div> </div> <p style="text-align: center; margin-top: 20px;">     solve/compound      inequality   </p>	<p><b>Example 1: Solving <math>a &lt; \text{or} \leq</math> absolute value inequality</b></p> <hr/> <ol style="list-style-type: none"> <li>Isolate the absolute value on the left.</li> <li>Drop the absolute value.</li> <li>Rewrite as an "AND" compound inequality.</li> <li>Solve. Whatever you do to the middle, you must do to BOTH sides.</li> <li>Shading should be BETWEEN two points</li> </ol> <p>Solve and graph.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <math>2 x - 3  - 1 \leq 9</math> <math> 3 - 2  &lt; 9</math> </div>
	<p><b>Example 2: Solving <math>a &gt; \text{or} \geq</math> absolute value inequality</b></p> <hr/> <ol style="list-style-type: none"> <li>Isolate the absolute value on the left.</li> <li>Drop the absolute value.</li> <li>Rewrite as an "OR" compound inequality.           <ul style="list-style-type: none"> <li>Drop absolute value</li> <li>Drop absolute value, switch sign of number on the right, flip direction of arrow</li> </ul> </li> <li>Solve separately and graph together</li> <li>Shading should point in opposite directions.</li> </ol> <p>Solve and graph.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <math>2 x + 1  &gt; 5</math> <math>1 + 3 x - 1  \geq 16</math> </div>