

Inequality

a mathematical sentence that contains a $<$, $>$, \leq , or \geq

 \leq

less than or equal to

 \geq

greater than or equal to

Oct 9-7:10 AM

How to solve inequalities

1. solve it just like an equation

$$5 + x > 13$$

2. write your answer using the given sign

$$5 + x > 13$$

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How to graph inequalities

1. circle the number in your answer on the number line. If there is no number line, draw one!

2. if the sign is $<$, or $>$ leave the circle open. If the sign is \leq , or \geq shade in the circle.

3. the arrow will point in the direction of the sign

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Solve and graph each inequality

$$4 + x < 9$$

$$2x \geq 8$$

$$x - 3 > 1$$

$$x/3 \leq 2$$

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