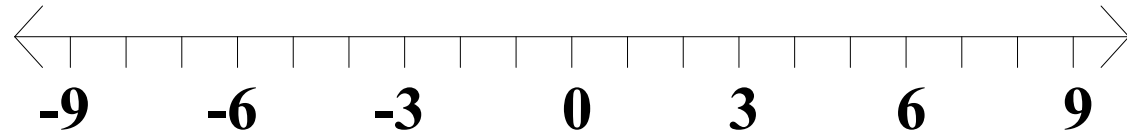


**Algebra 1 Lesson #3 Unit 5**  
**Class Worksheet #3**  
**For Worksheets #5 & #6**

## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

1.  $|x| < 7$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

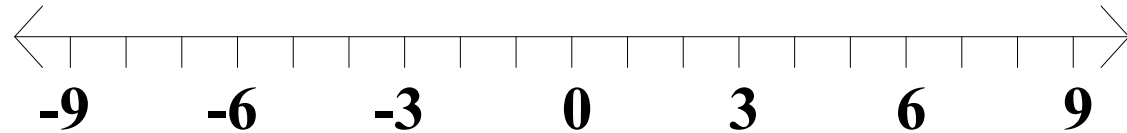
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## Algebra I Class Worksheet #3 Unit 5

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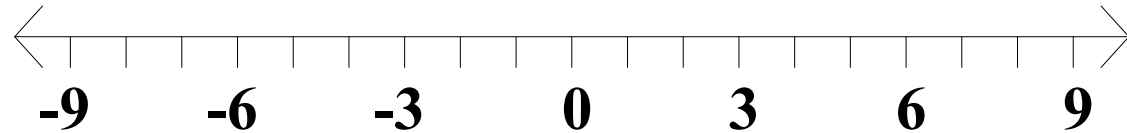
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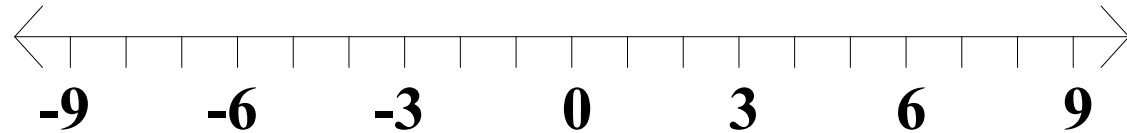
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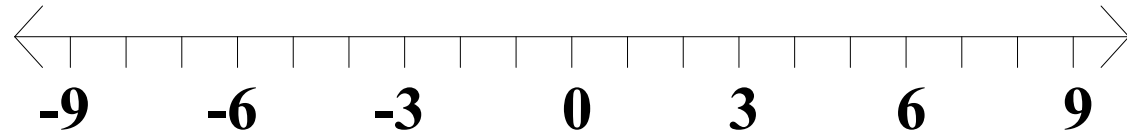
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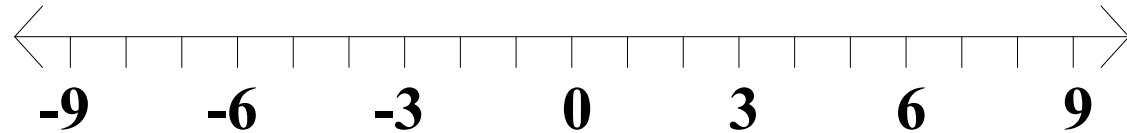
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### Solving Inequalities

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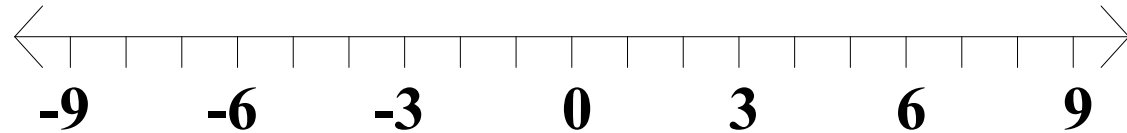
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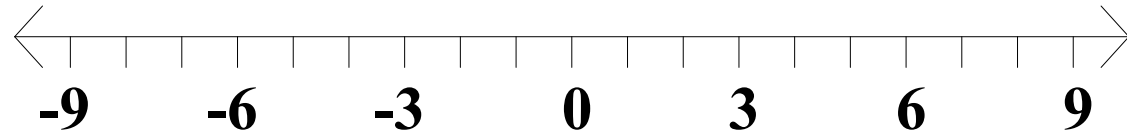


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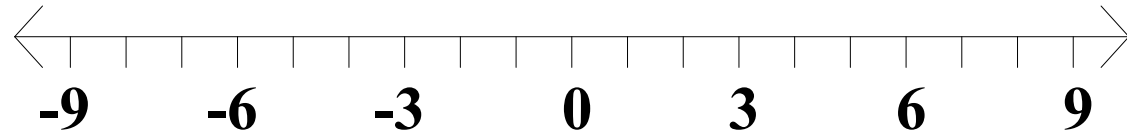
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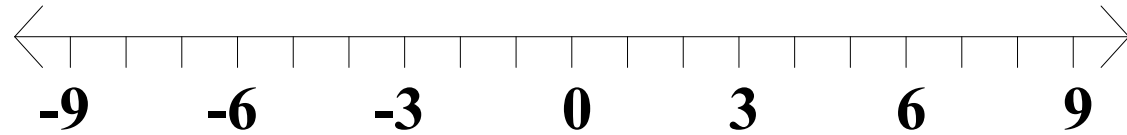
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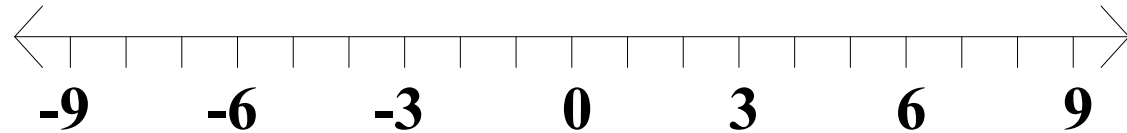
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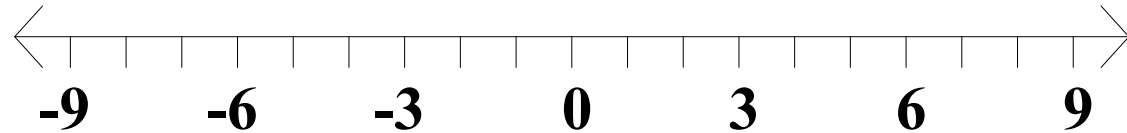
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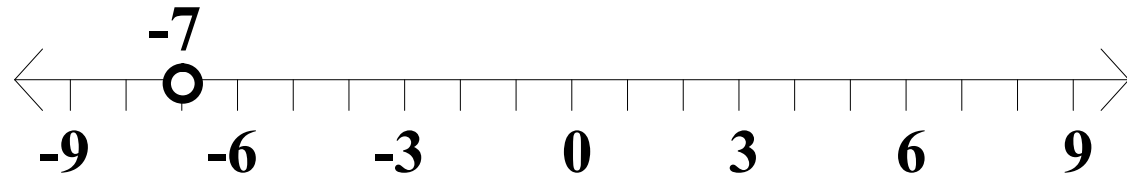
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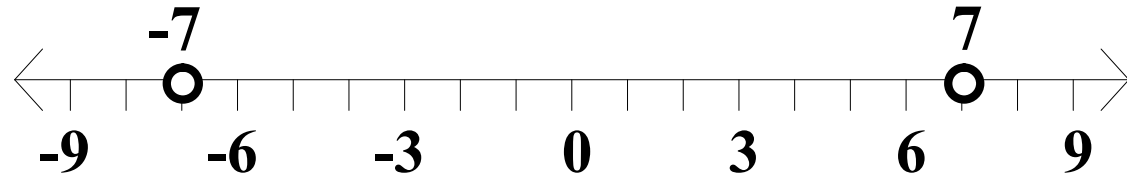
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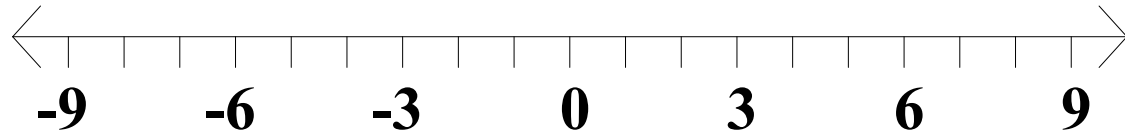
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Solve for  $x$ . Graph the solution sets on the number lines provided.

2.  $|x| \leq 2$



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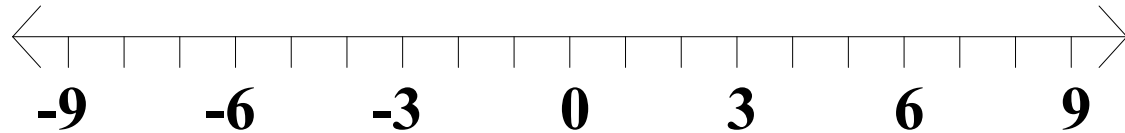
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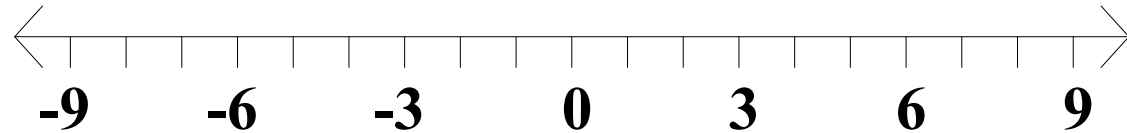
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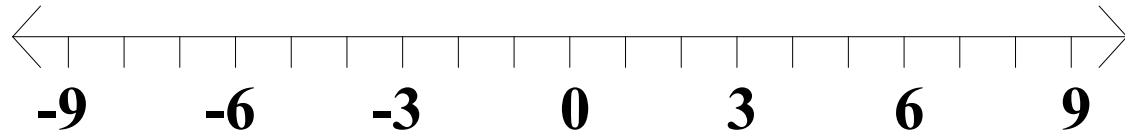
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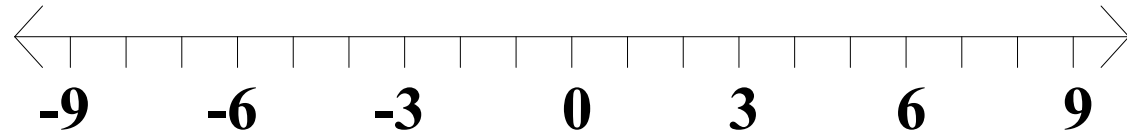
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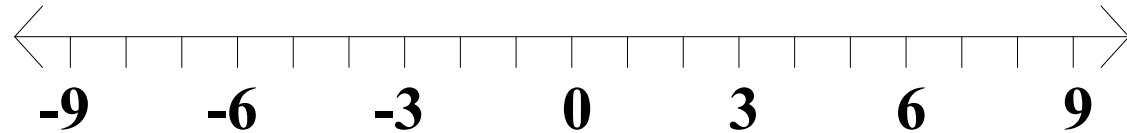
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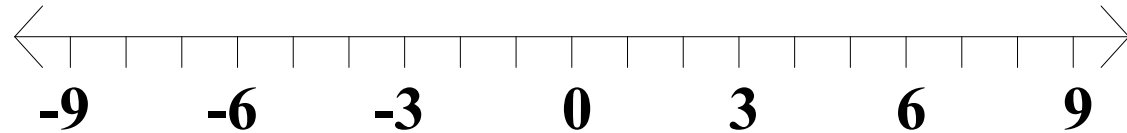
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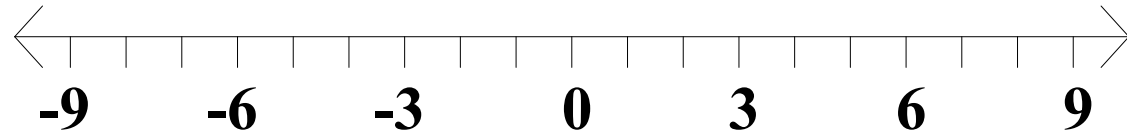


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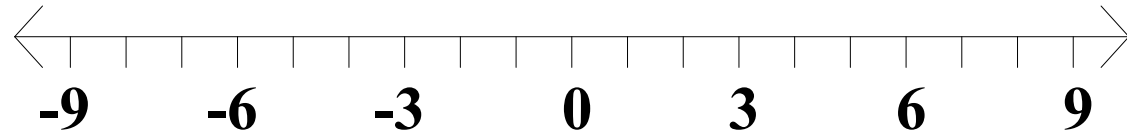
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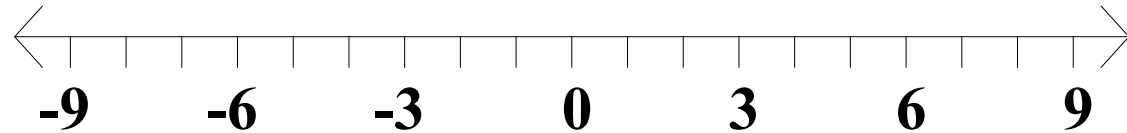
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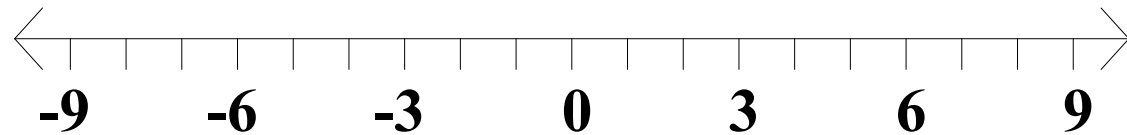
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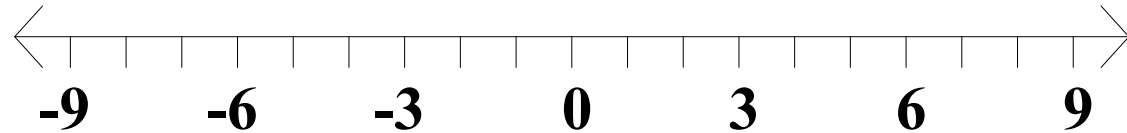
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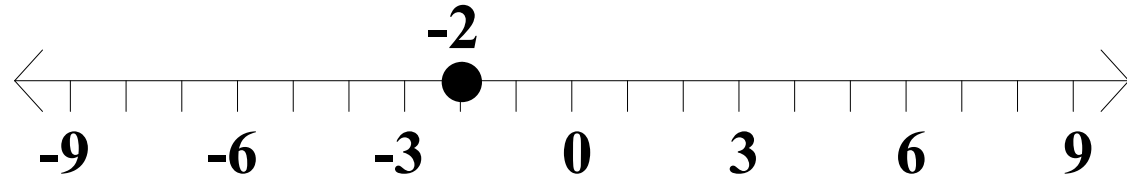
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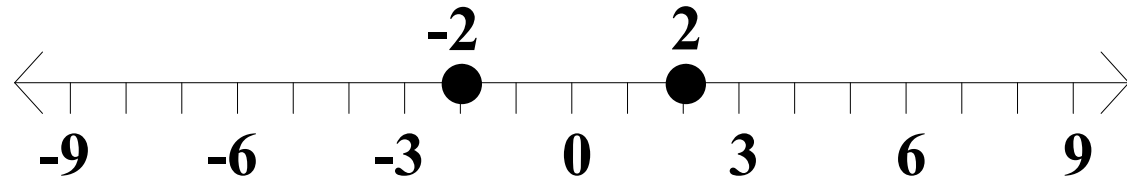
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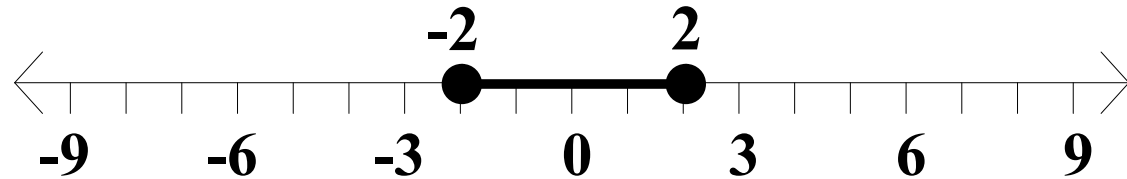
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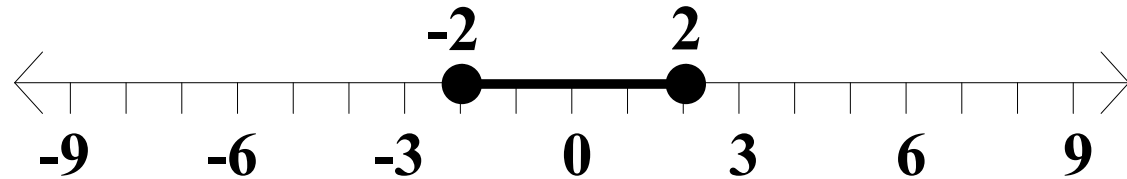


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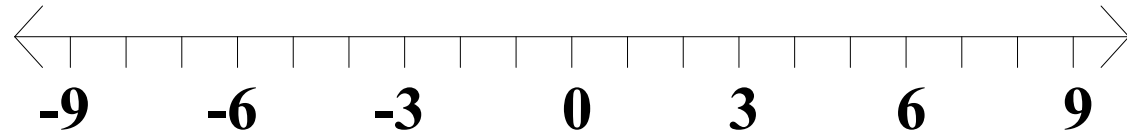
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3.  $|3x + 2| < 7$



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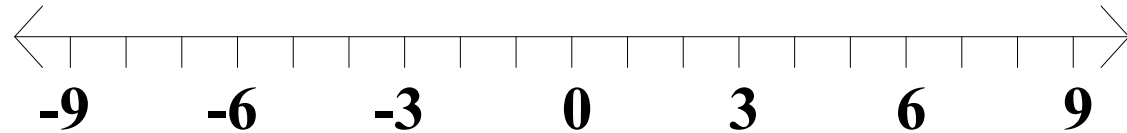
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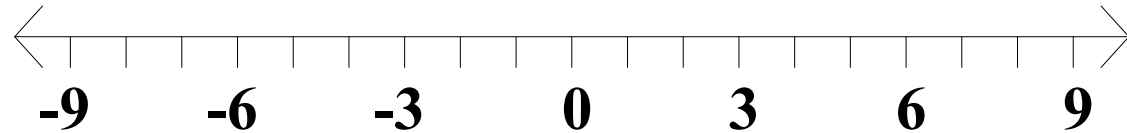
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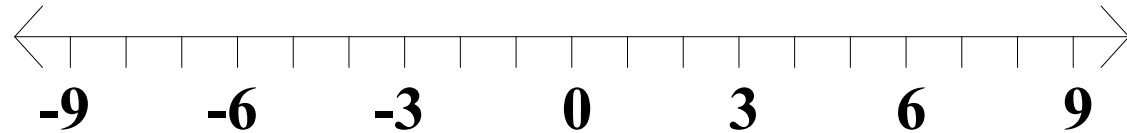
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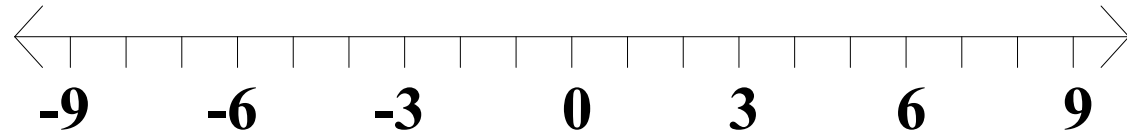
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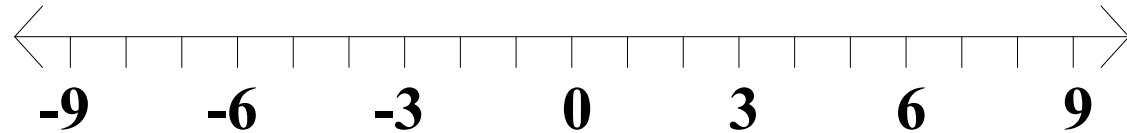
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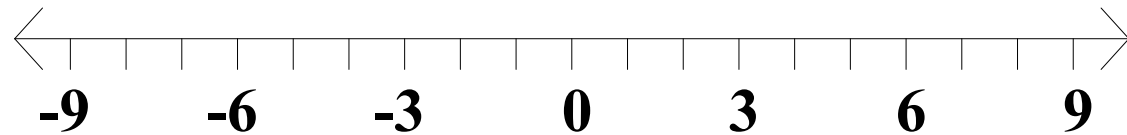
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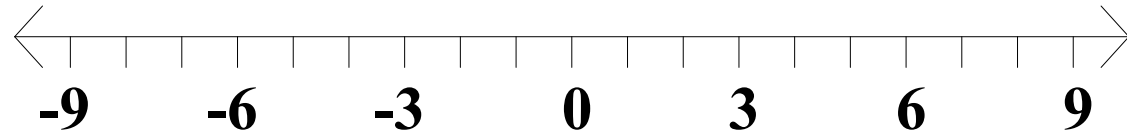


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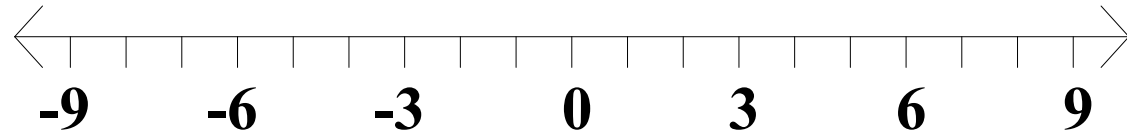
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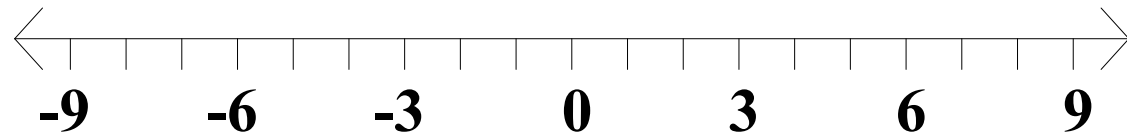
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$3. \quad |3x + 2| < 7$$

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### Solving Inequalities

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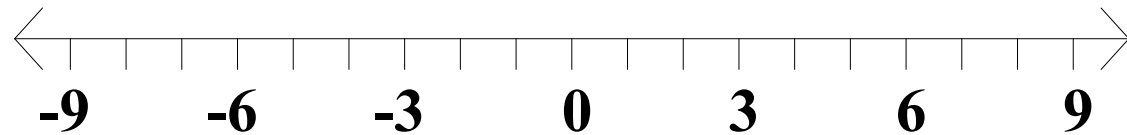
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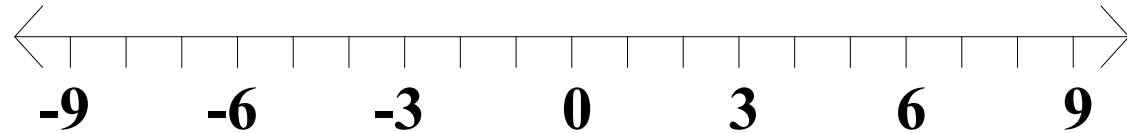
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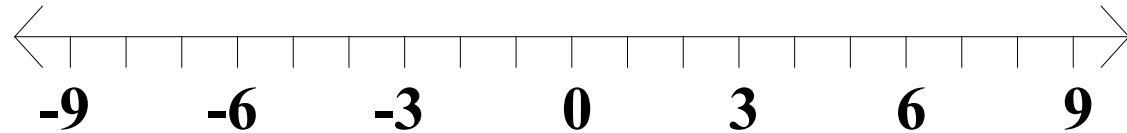
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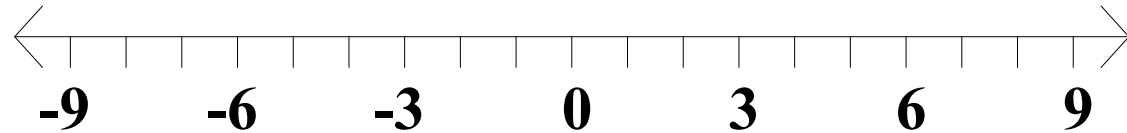
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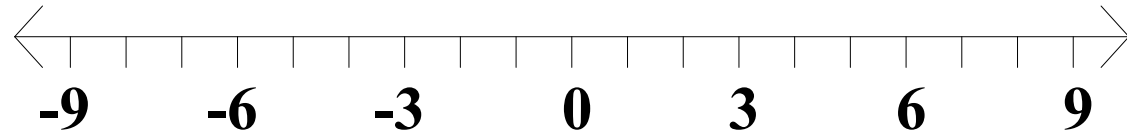
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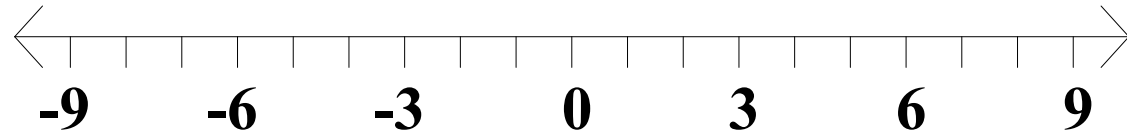
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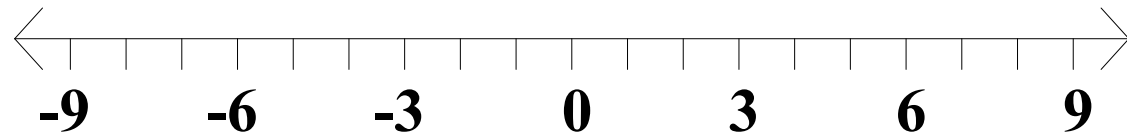
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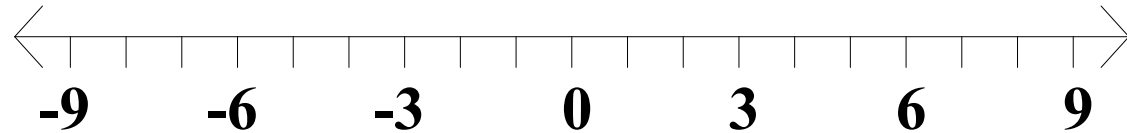
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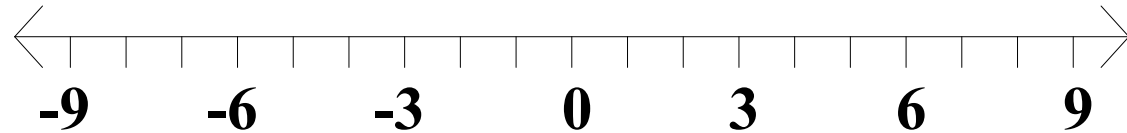
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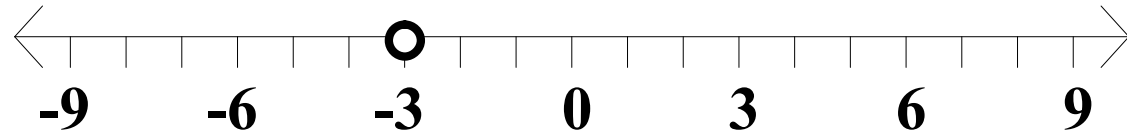
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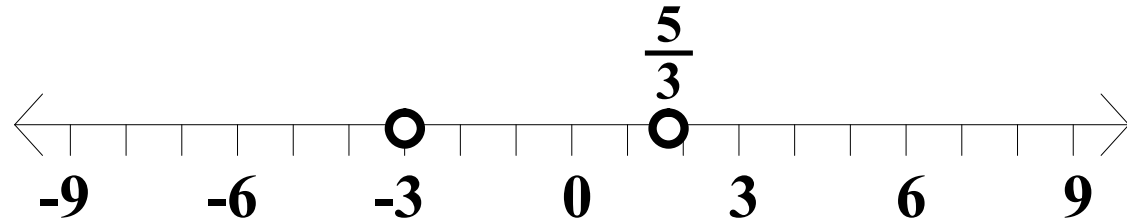
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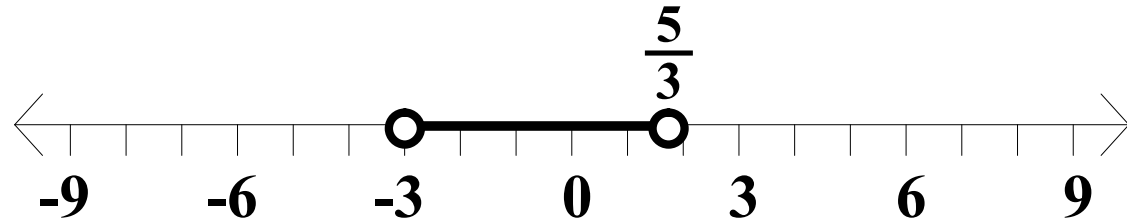
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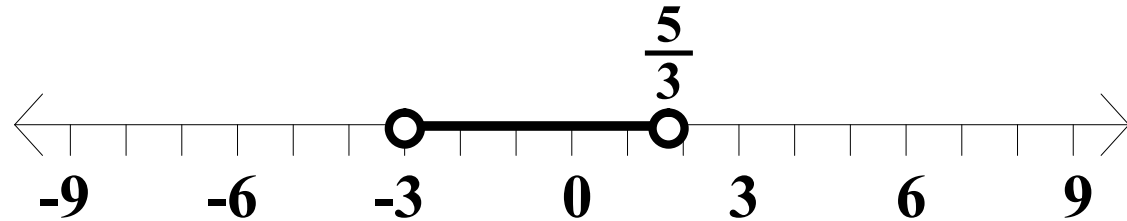
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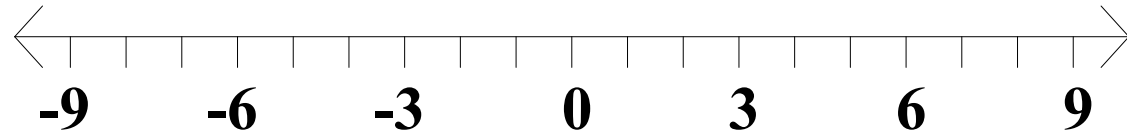
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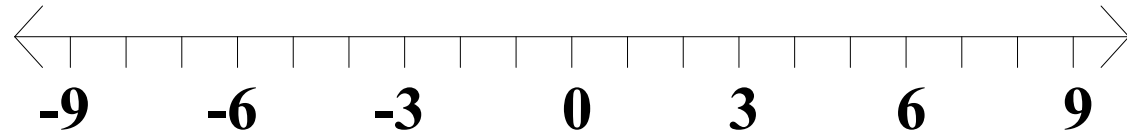
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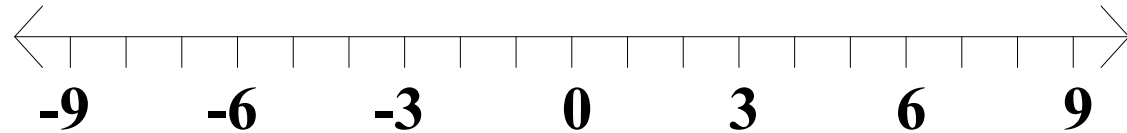
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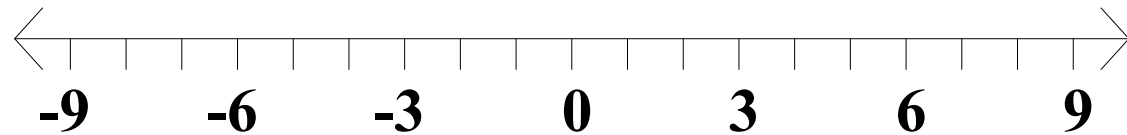
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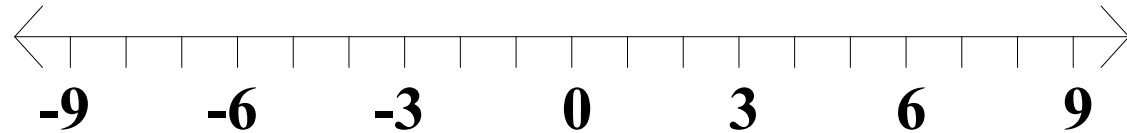
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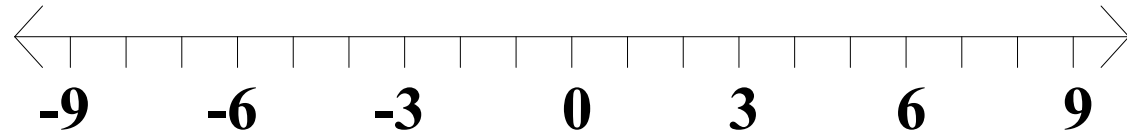
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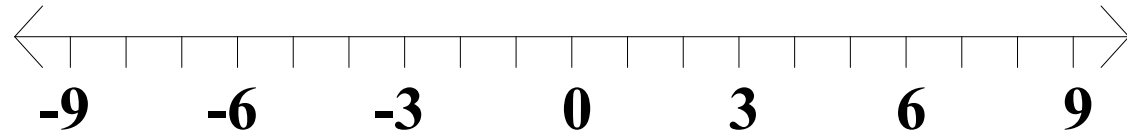
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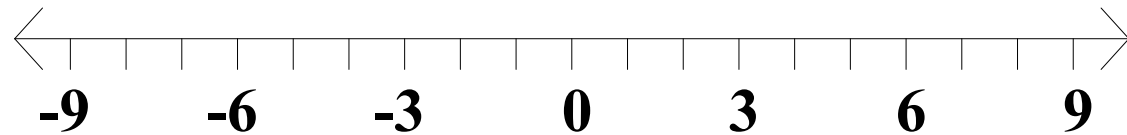
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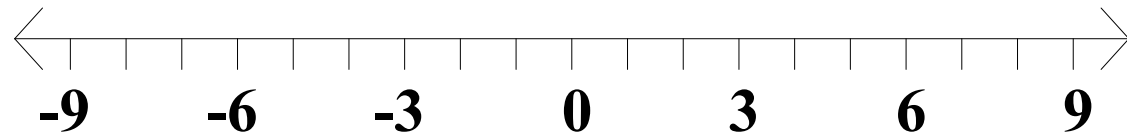


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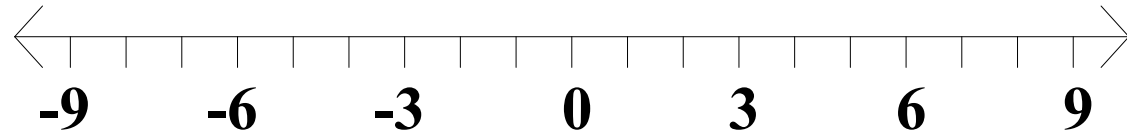
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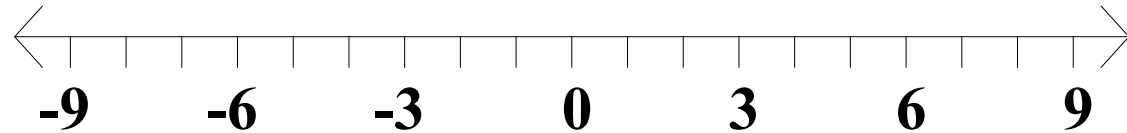
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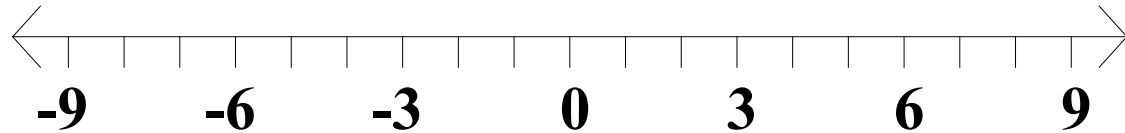
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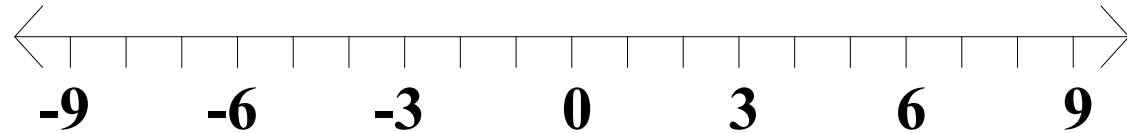
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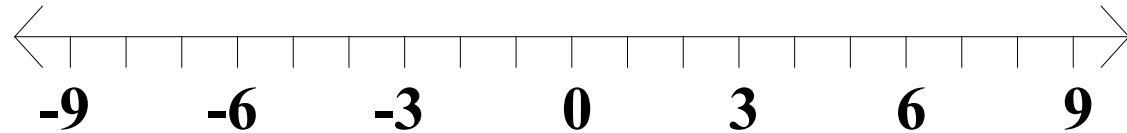
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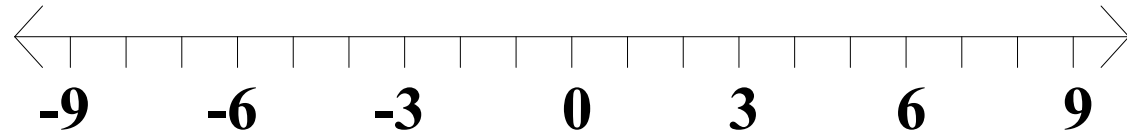
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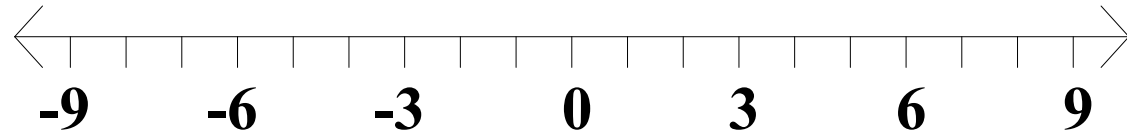
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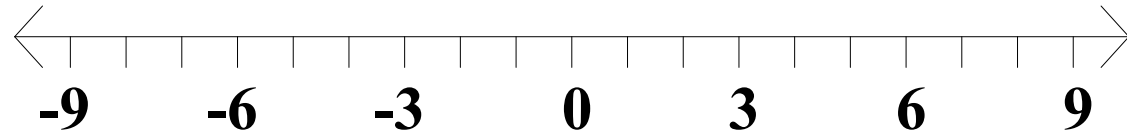
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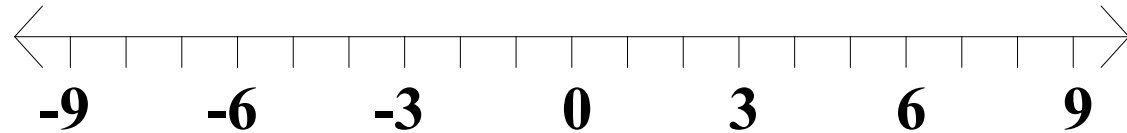
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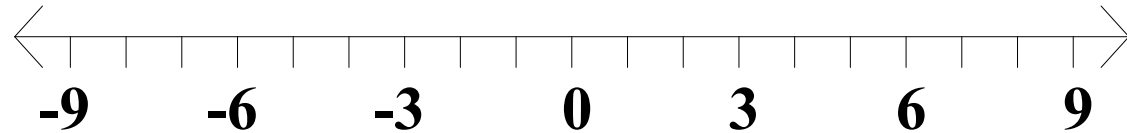
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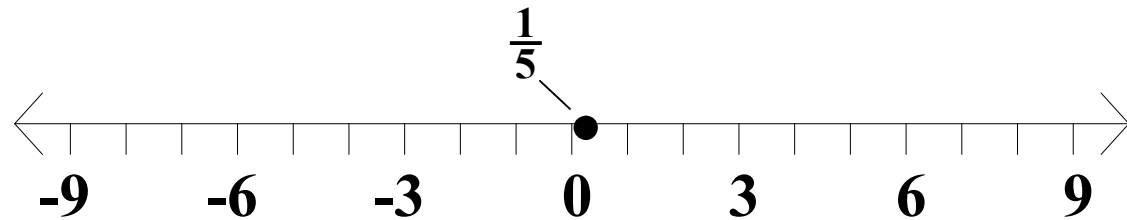
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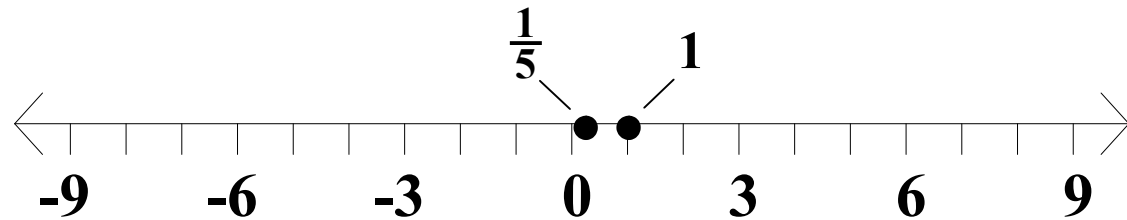
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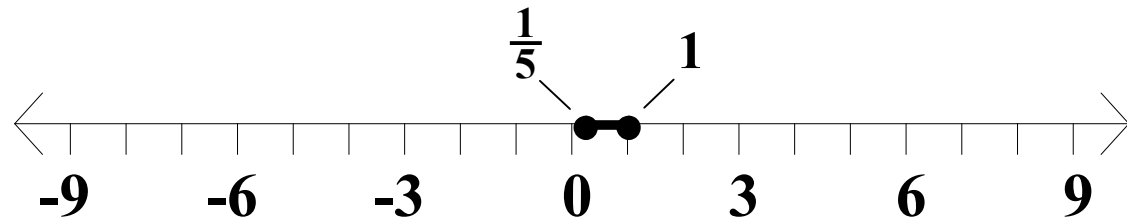
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$$1 \leq 5x \leq 5$$

$$\frac{1}{5} \leq x \leq 1$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

**Step 2: Solve for x.**

**Step 3: Graph the solution set.**

**If  $|N| \leq k$  and  $k > 0$ , then  $-k \leq N \leq k$ .**

## Algebra I Class Worksheet #3 Unit 5

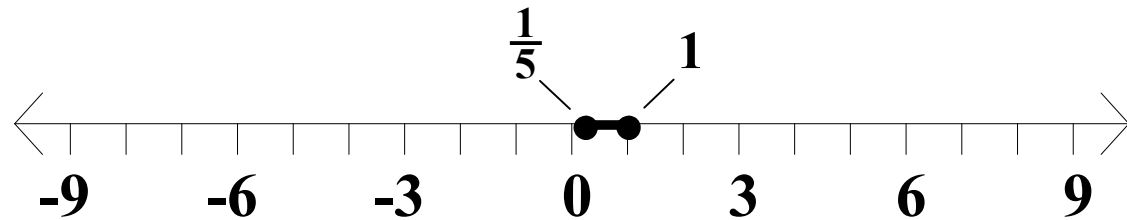
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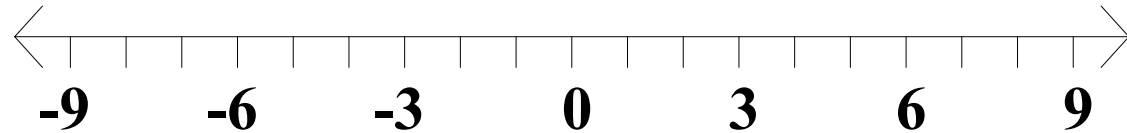
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## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

5.  $|x| > 1$



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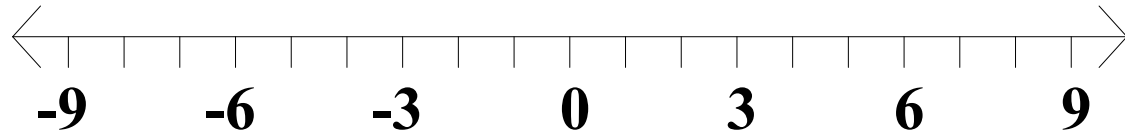
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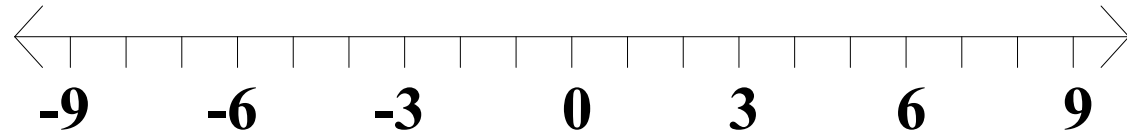
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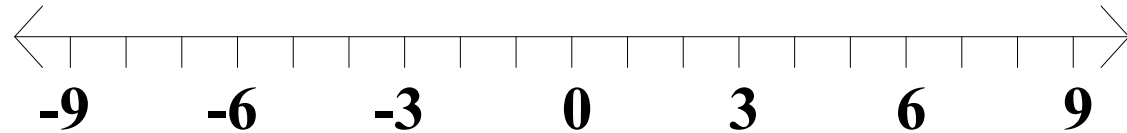
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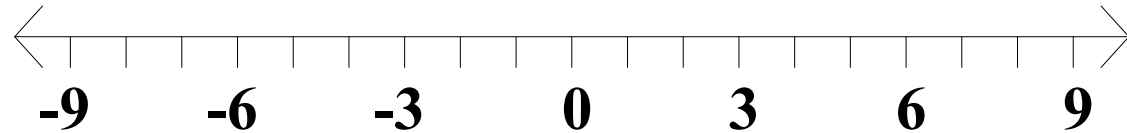
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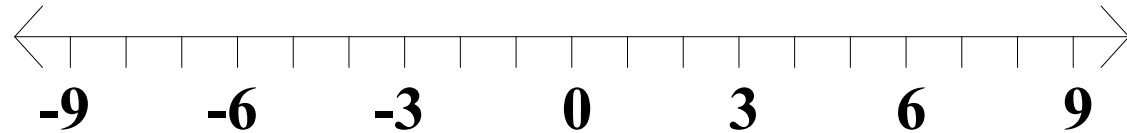
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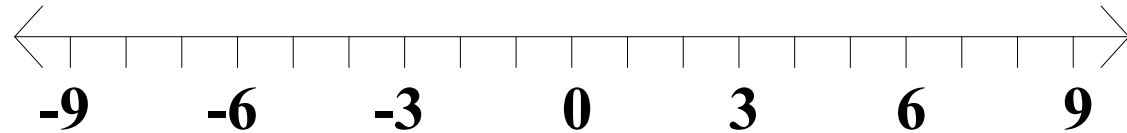
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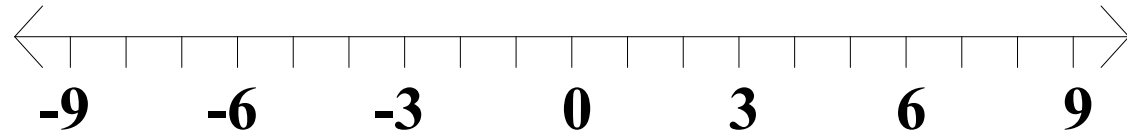
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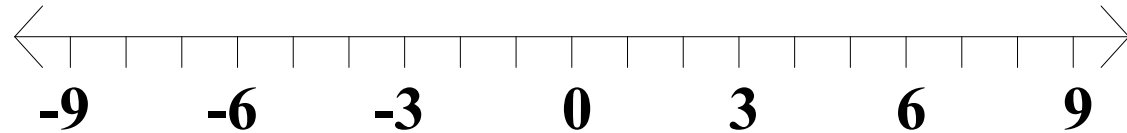
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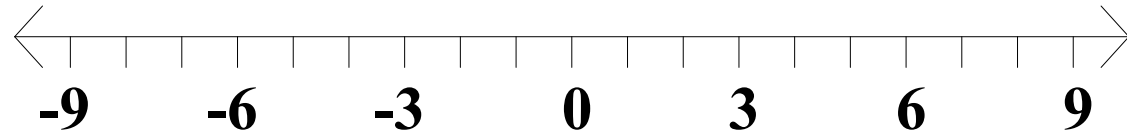


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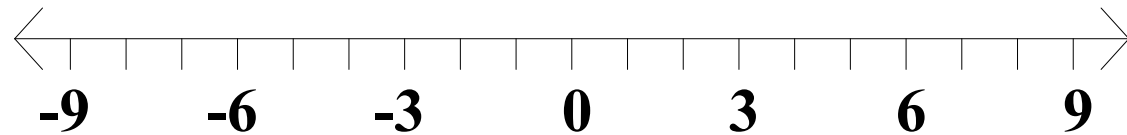
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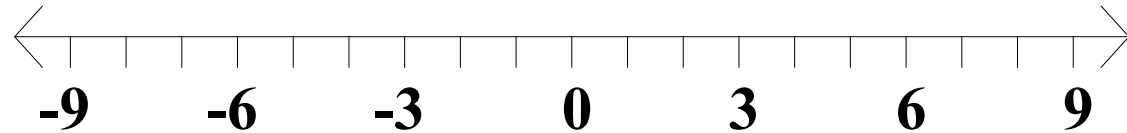
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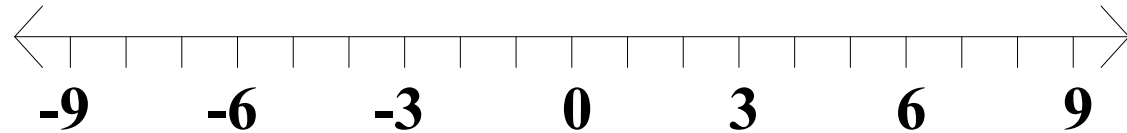
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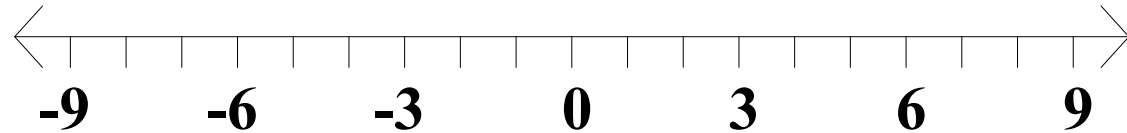
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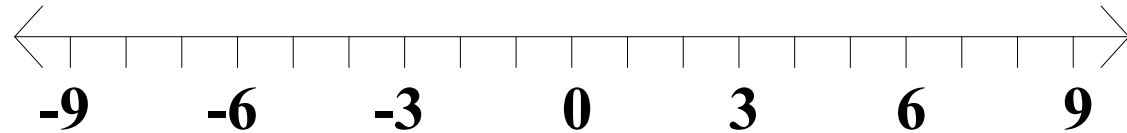
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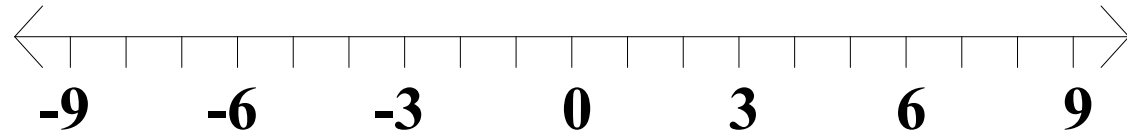
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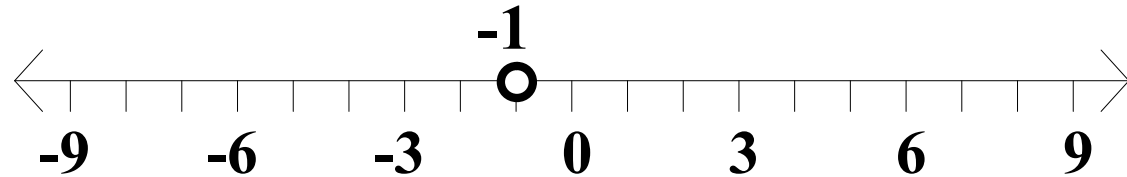
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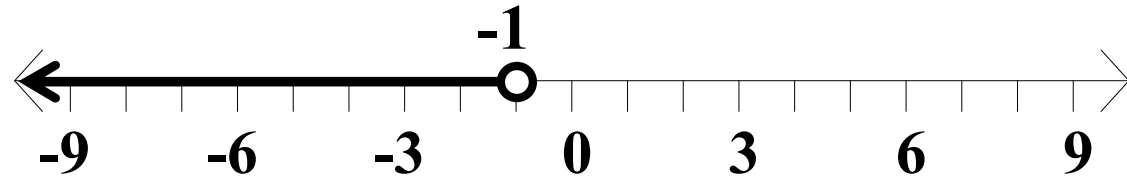


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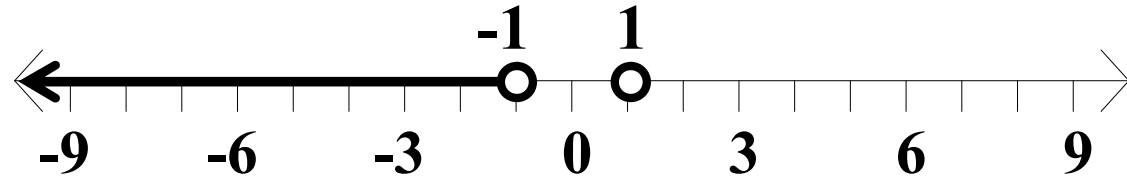
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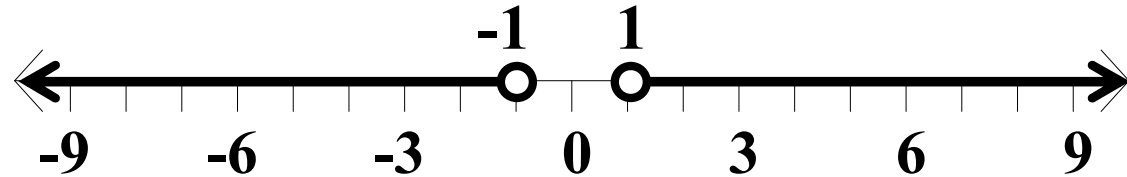
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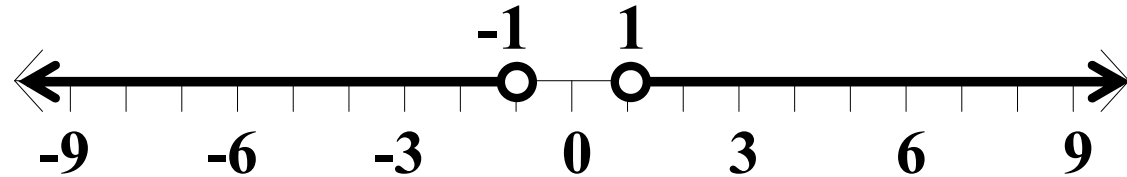
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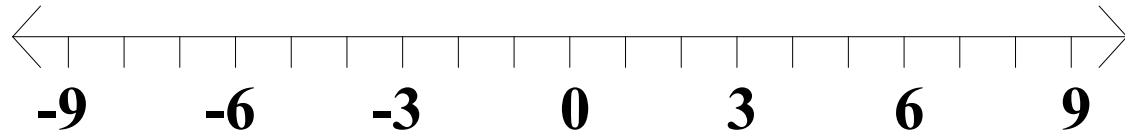
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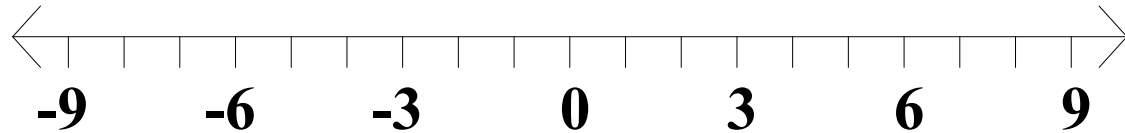
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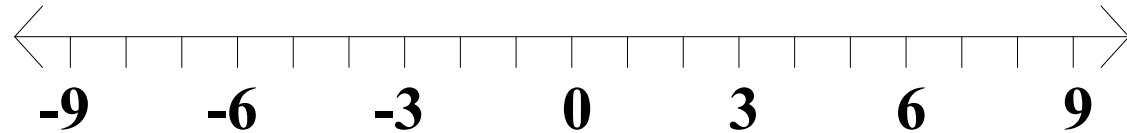
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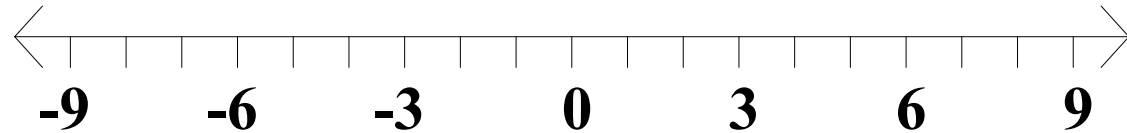
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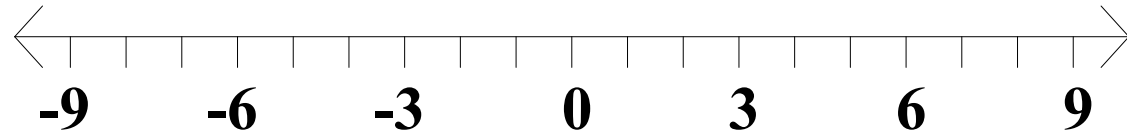
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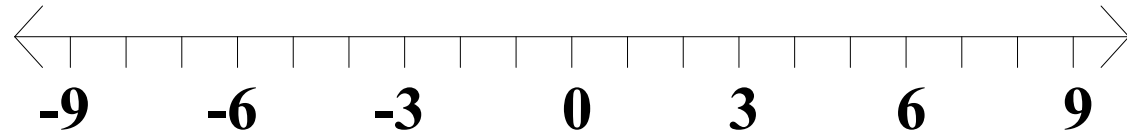
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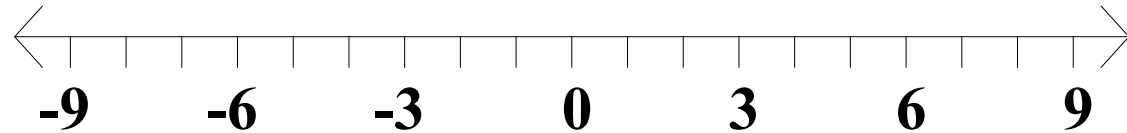
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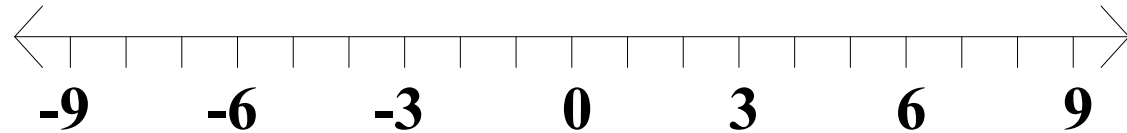
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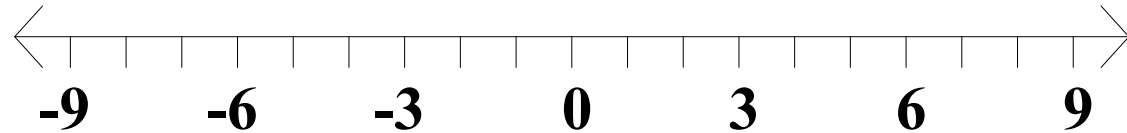
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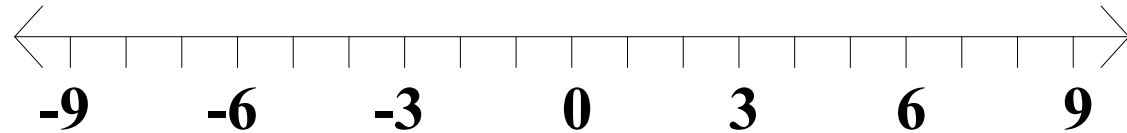
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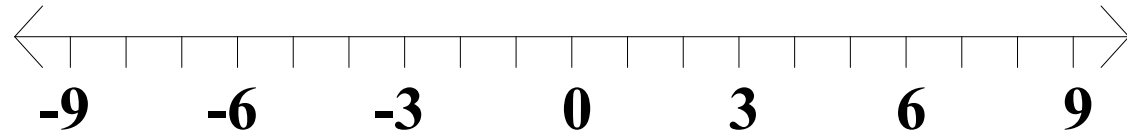
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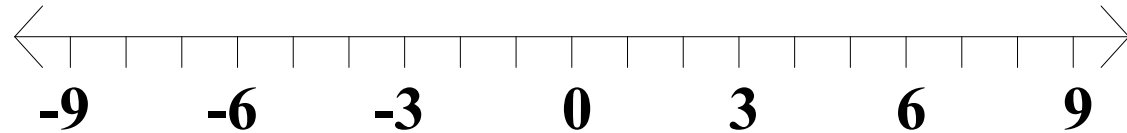
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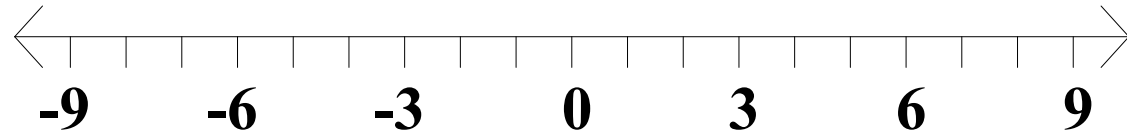


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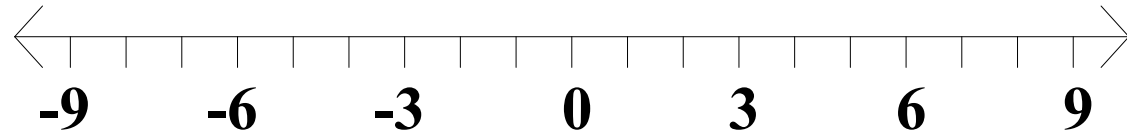
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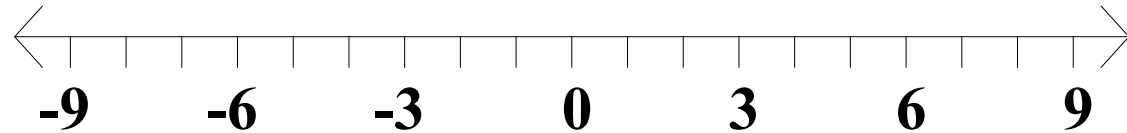
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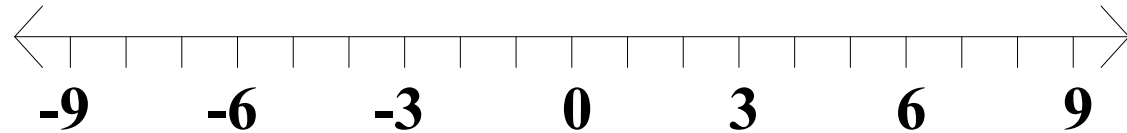
**If  $|N| \geq k$  and  $k > 0$ , then  $N \leq -k$  or  $N \geq k$ .**

## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

$$6. \quad |x| \geq 6$$

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### Solving Inequalities

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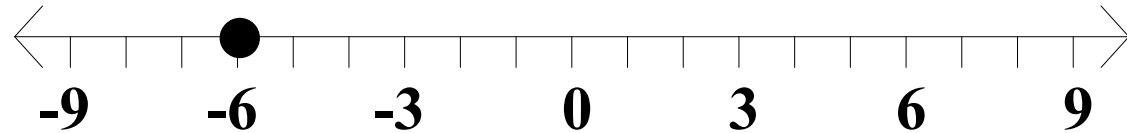
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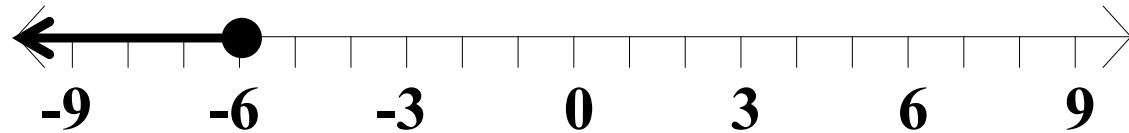
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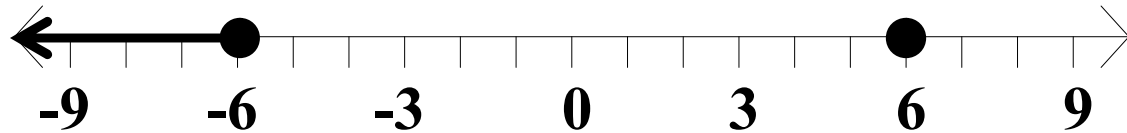
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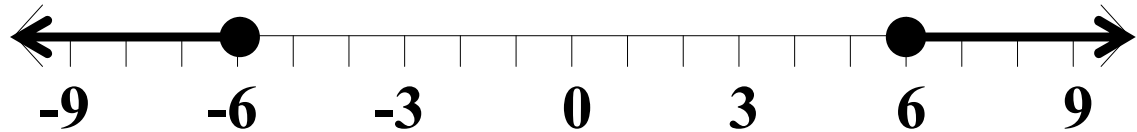
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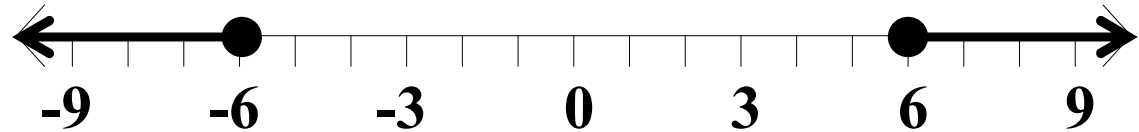


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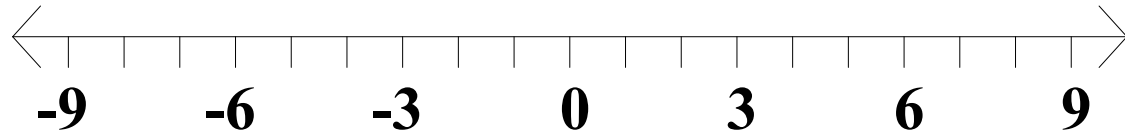
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## Algebra I Class Worksheet #3 Unit 5

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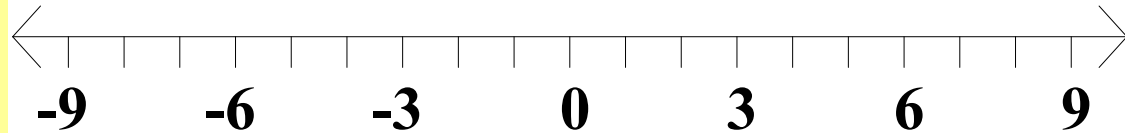
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## Algebra I Class Worksheet #3 Unit 5

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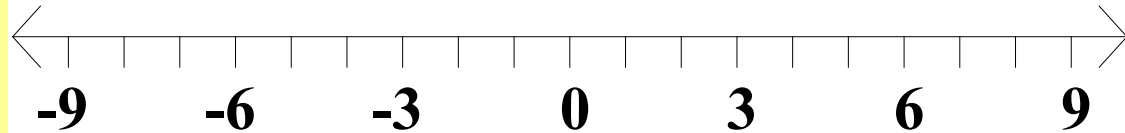
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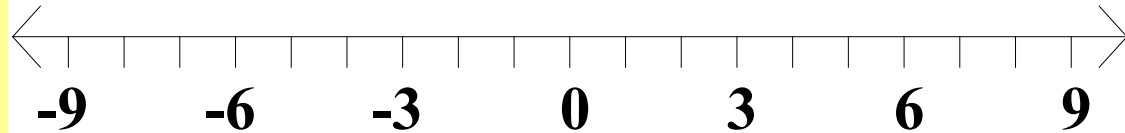
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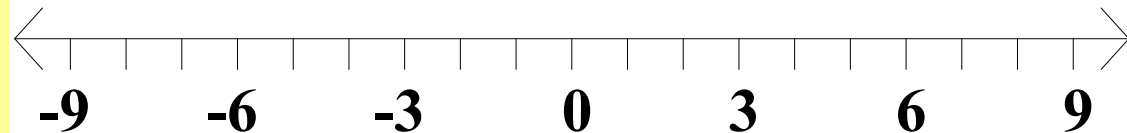
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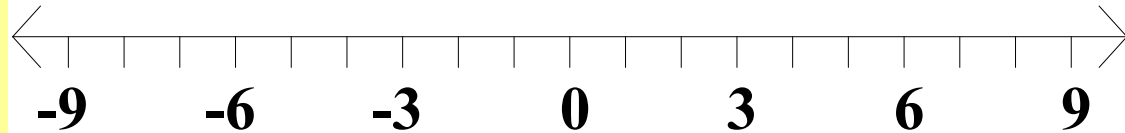
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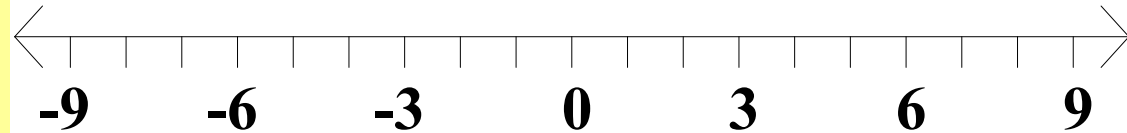
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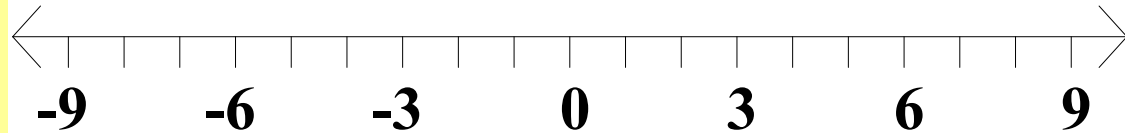


## Algebra I Class Worksheet #3 Unit 5

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$$2x + 5 <$$



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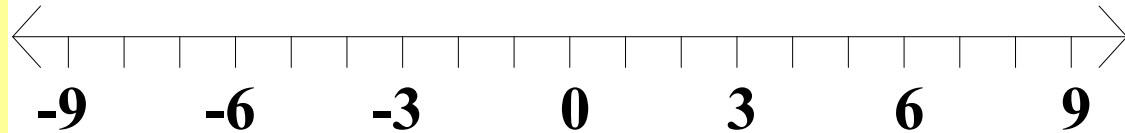
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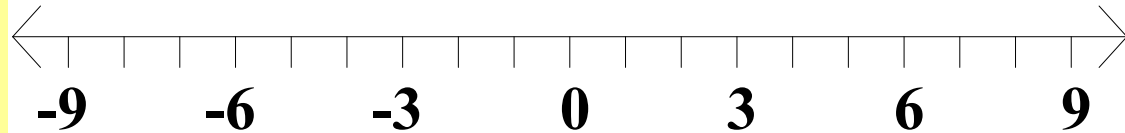
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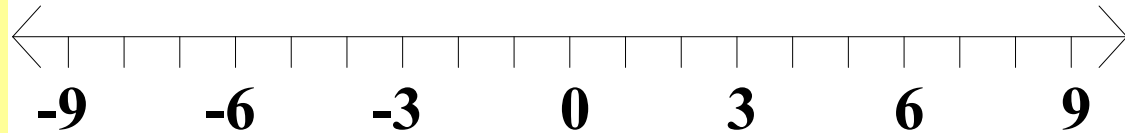
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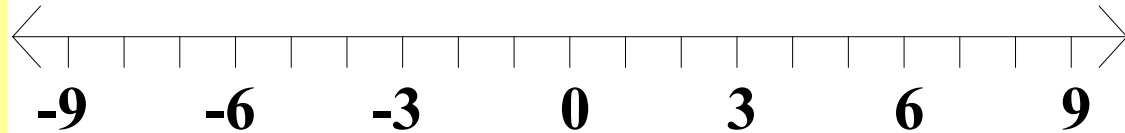
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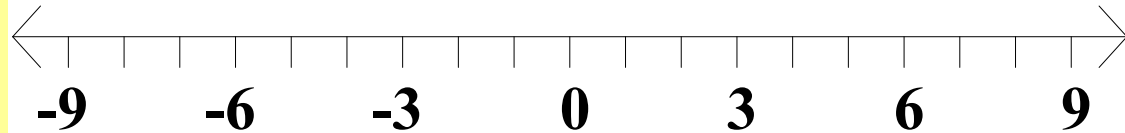
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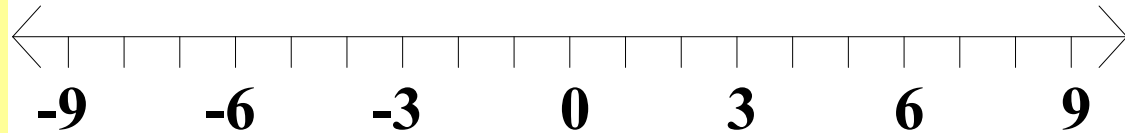
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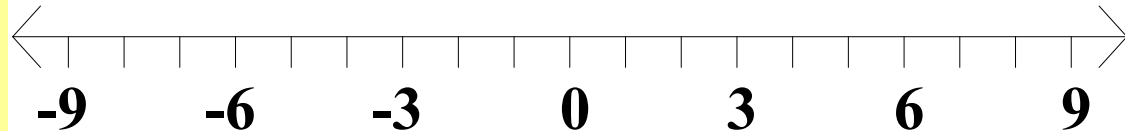
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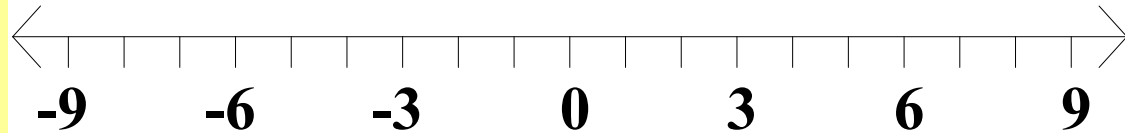
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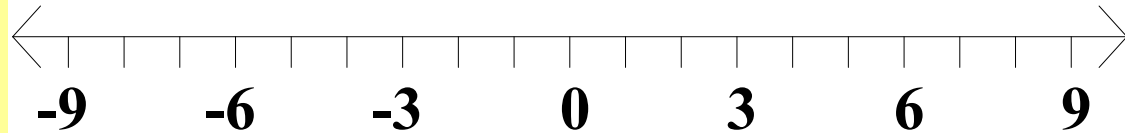
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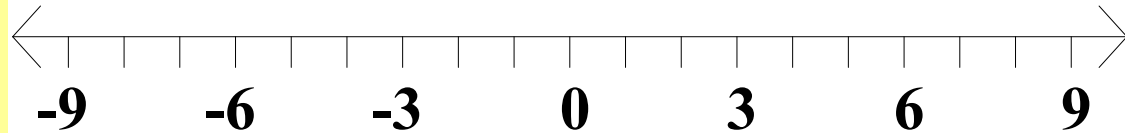
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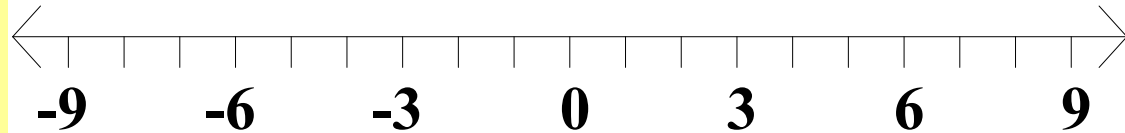
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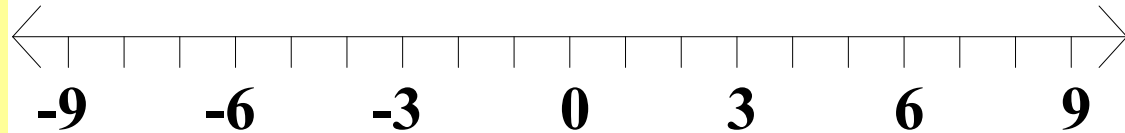
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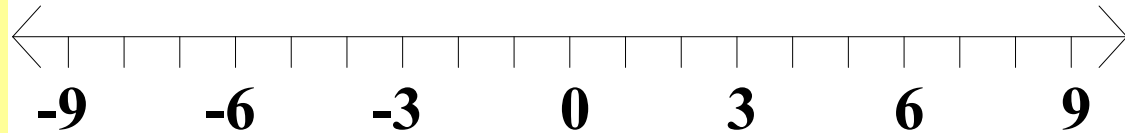
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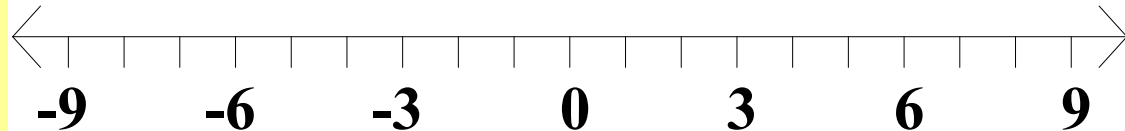
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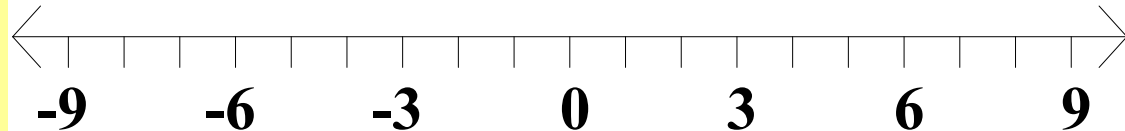
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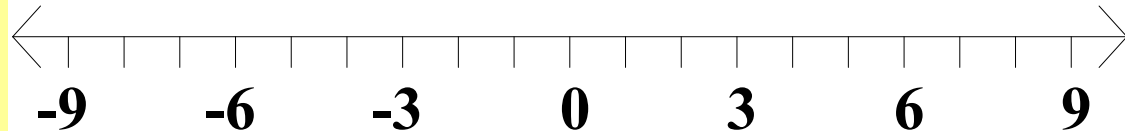
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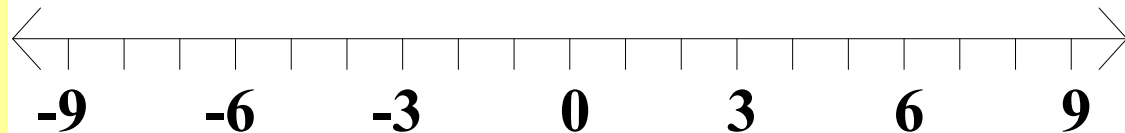
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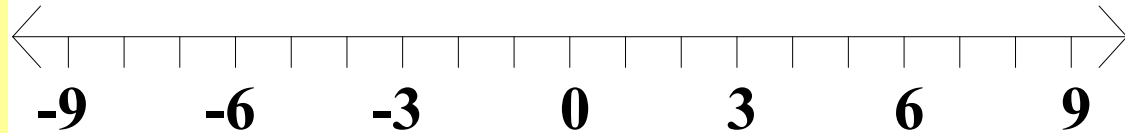
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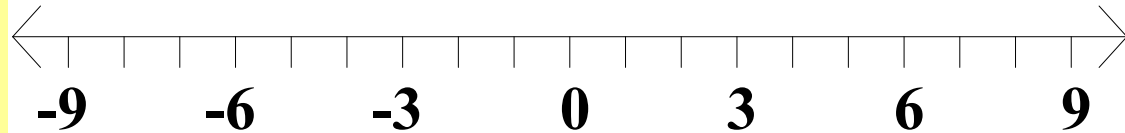
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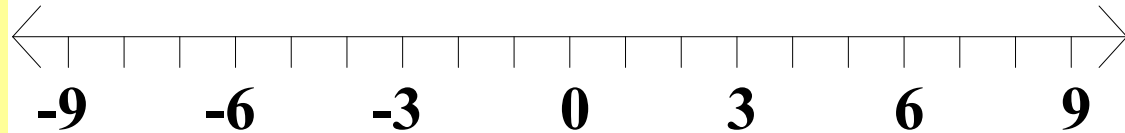
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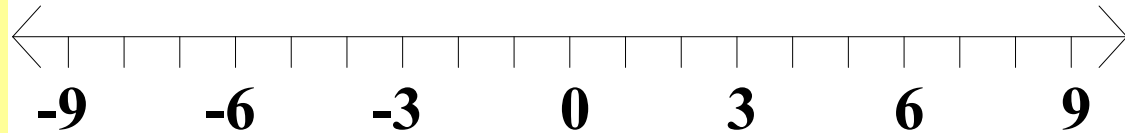
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$$2x < -6 \quad 2x > -4$$

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**Step 1: Analyze the problem and apply the appropriate rule.**

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**If  $|N| > k$  and  $k > 0$ , then  $N < -k$  or  $N > k$ .**

## Algebra I Class Worksheet #3 Unit 5

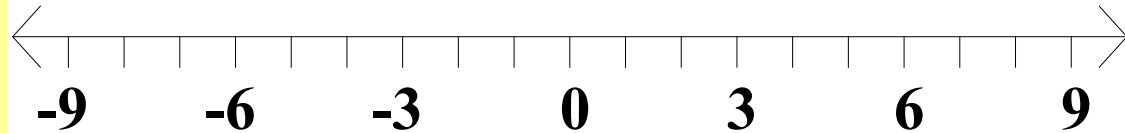
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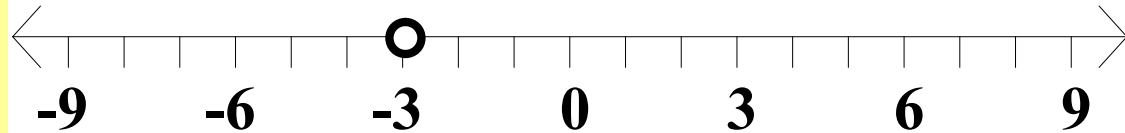
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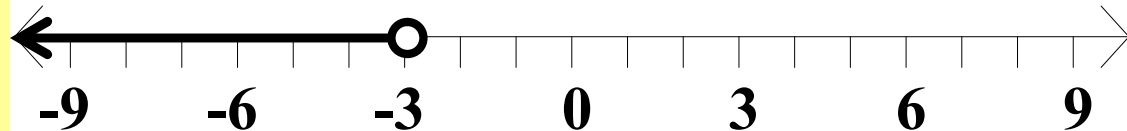
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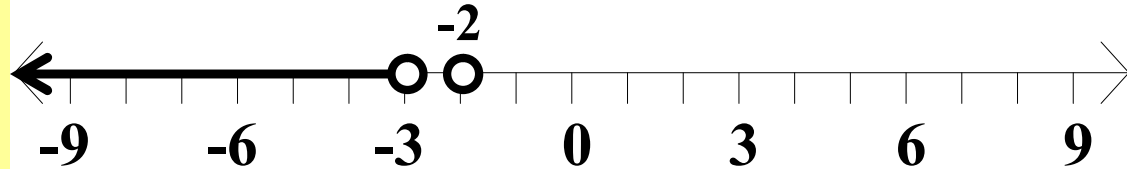
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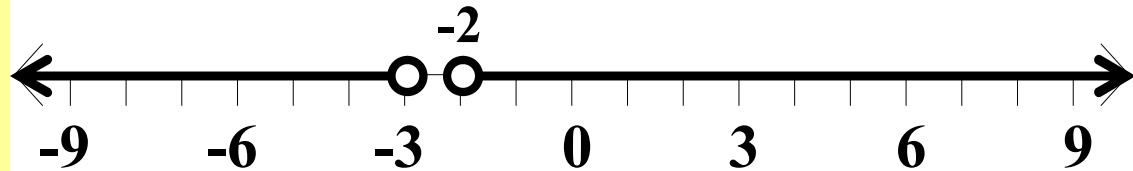
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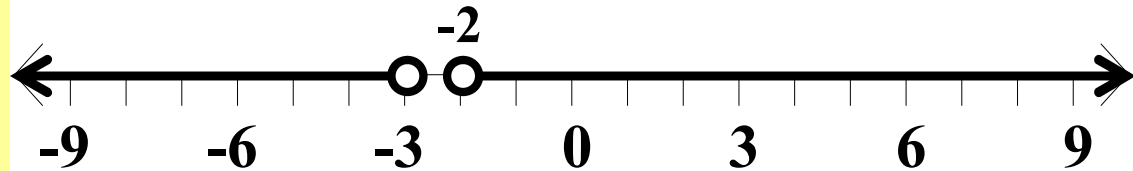
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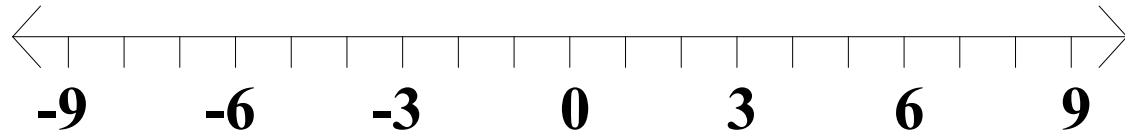
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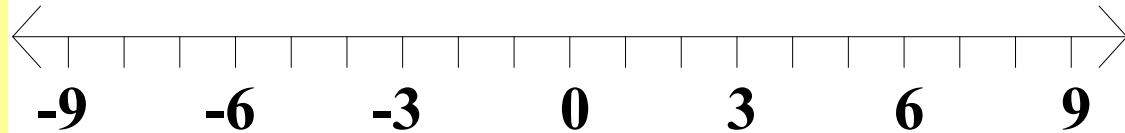
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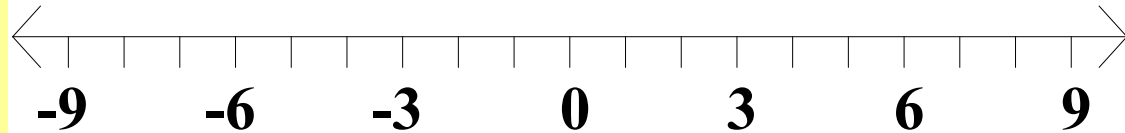
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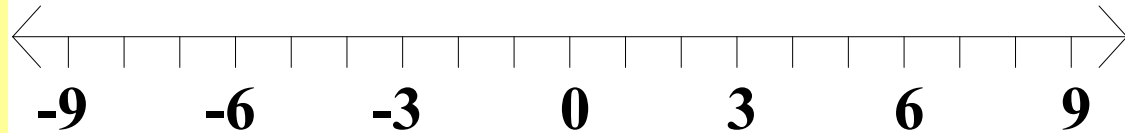
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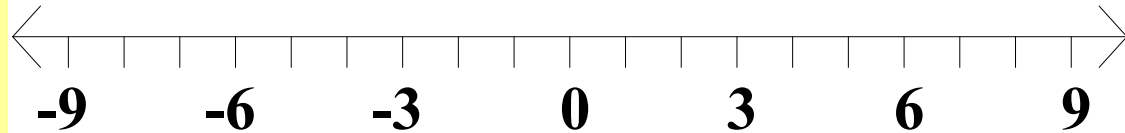
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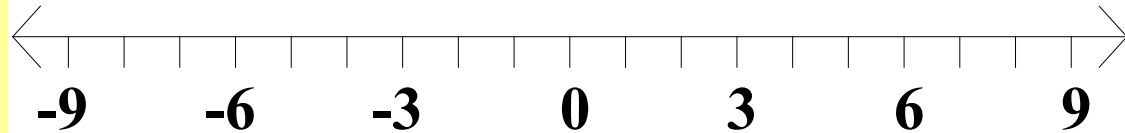
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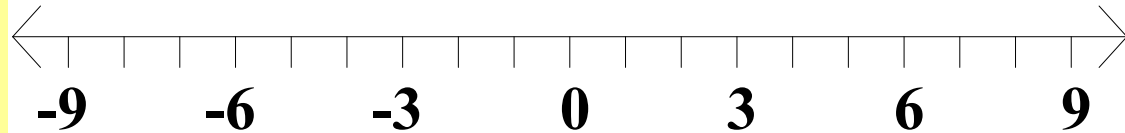
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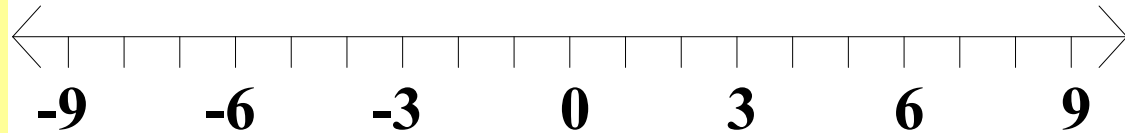
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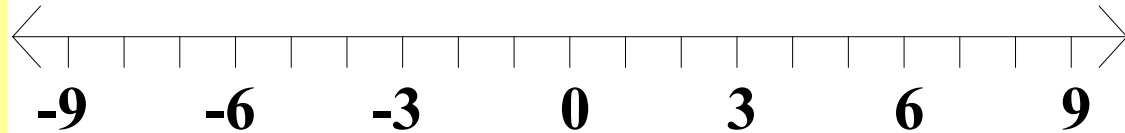
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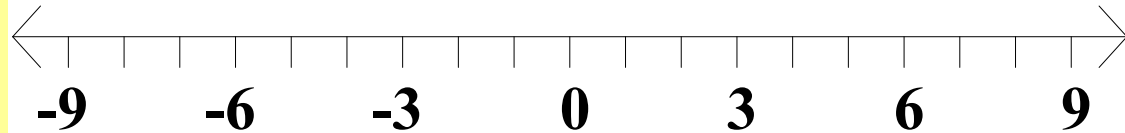
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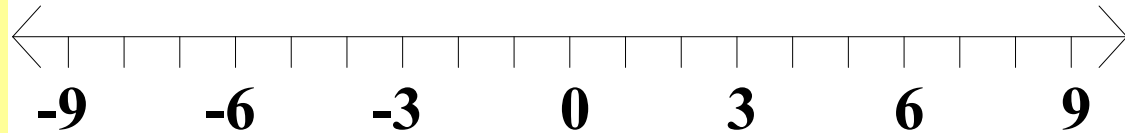
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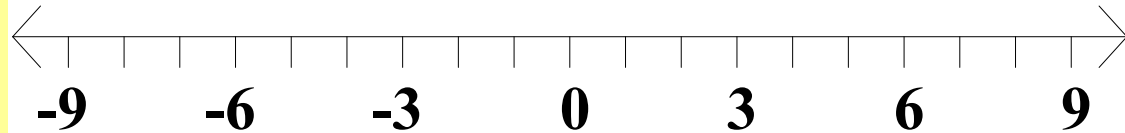
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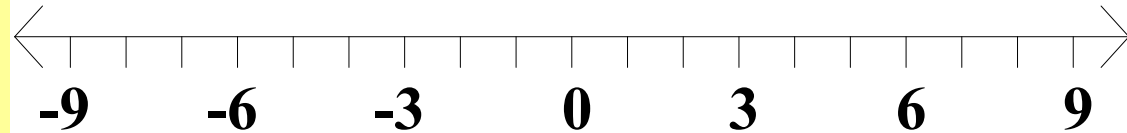


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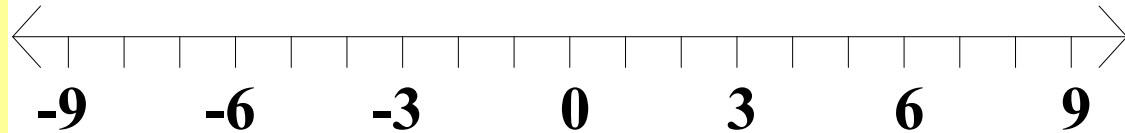
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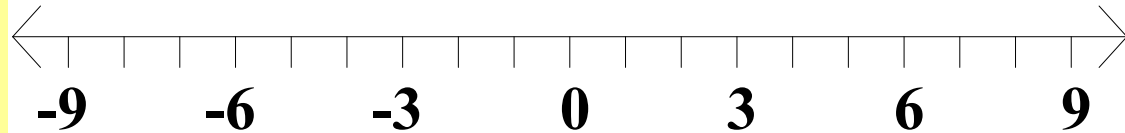
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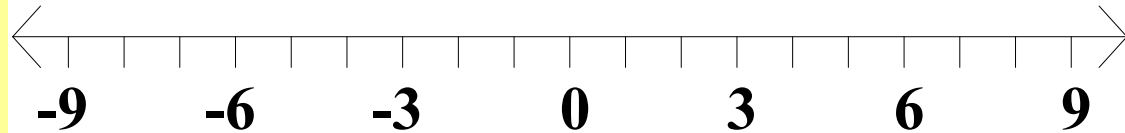
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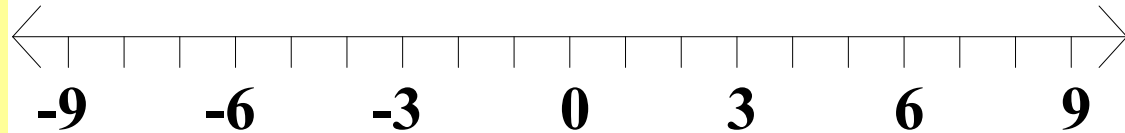
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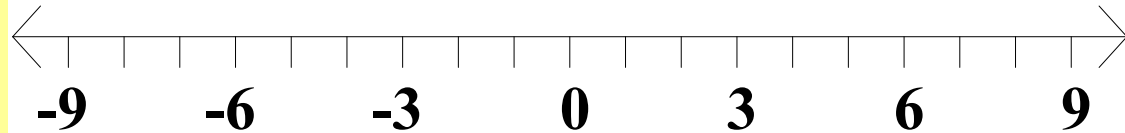
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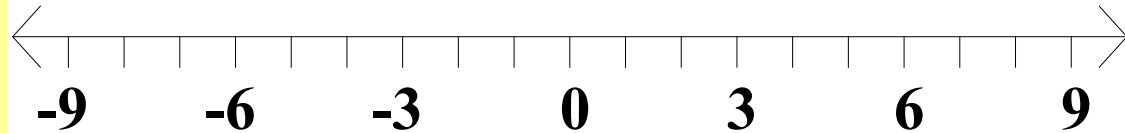
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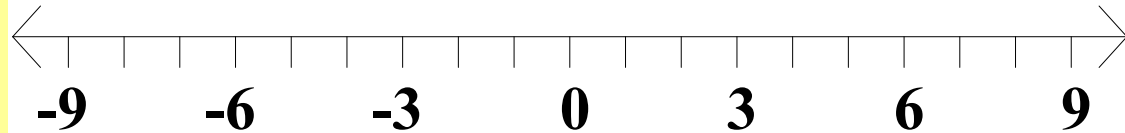
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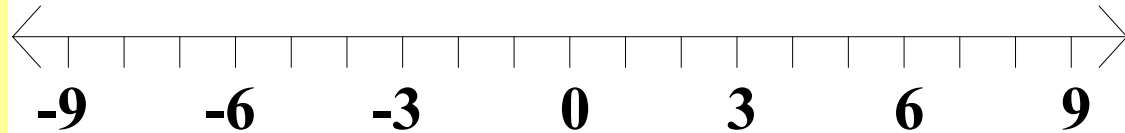
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$$x \leq -\frac{5}{6}$$



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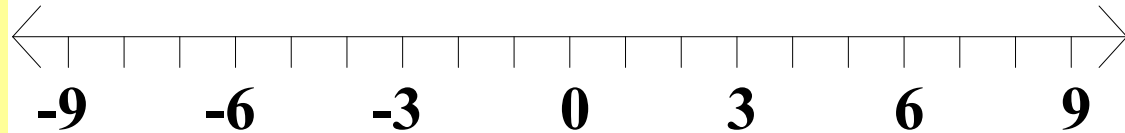
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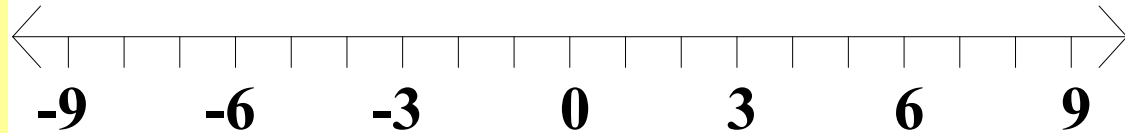
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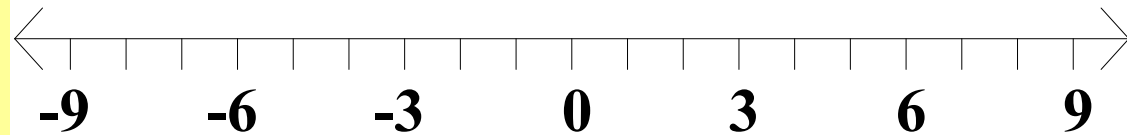
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$$6x \leq -5 \quad 6x \geq 7$$

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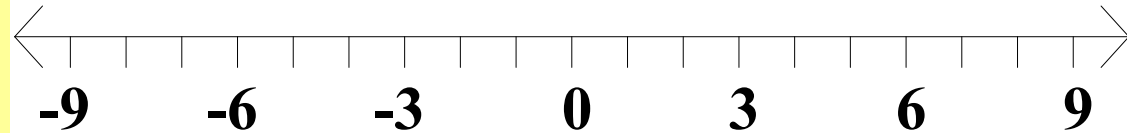
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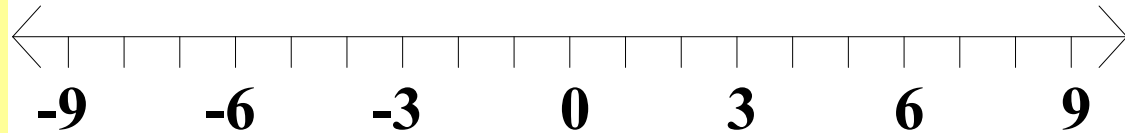
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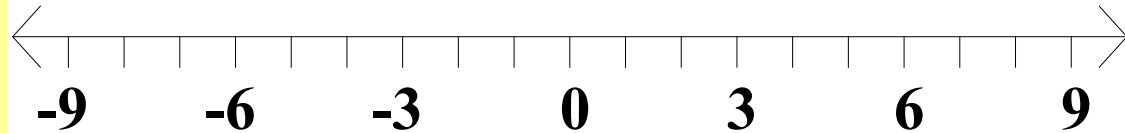
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$$6x \leq -5 \qquad 6x \geq 7$$

$$x \leq -\frac{5}{6} \qquad x \geq \frac{7}{6}$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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**If  $|N| \geq k$  and  $k > 0$ , then  $N \leq -k$  or  $N \geq k$ .**

## Algebra I Class Worksheet #3 Unit 5

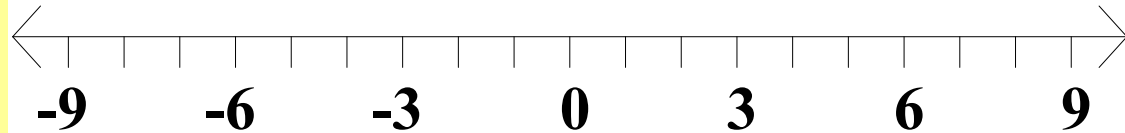
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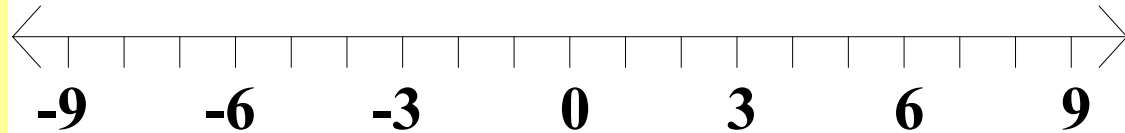
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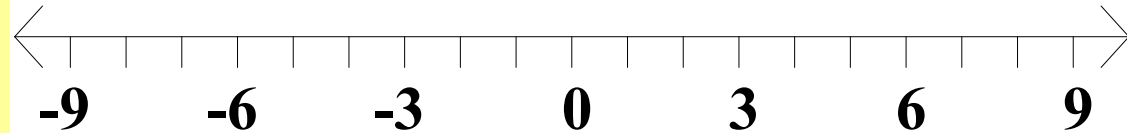
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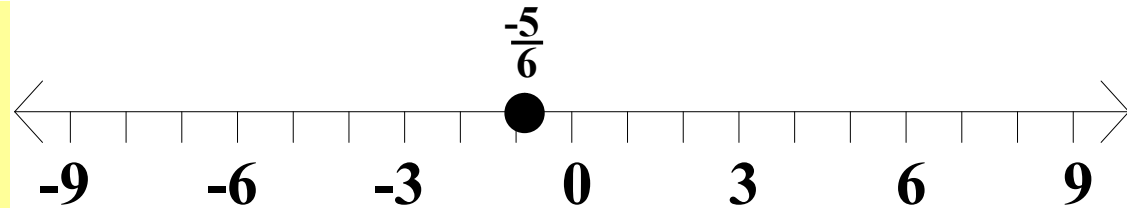
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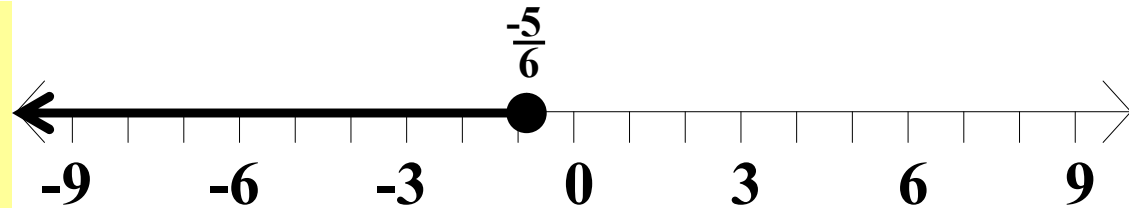
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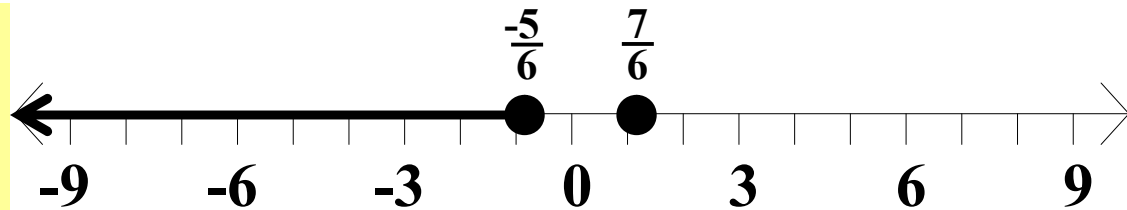
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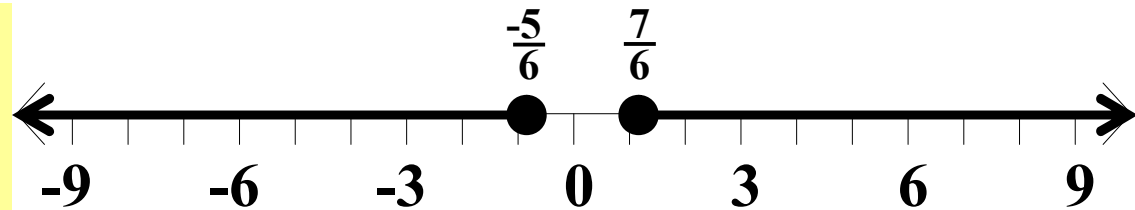
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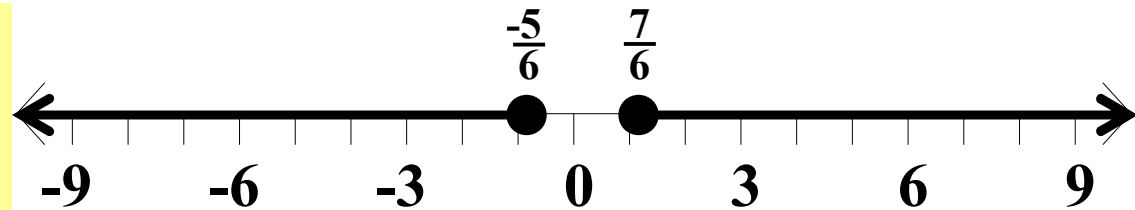
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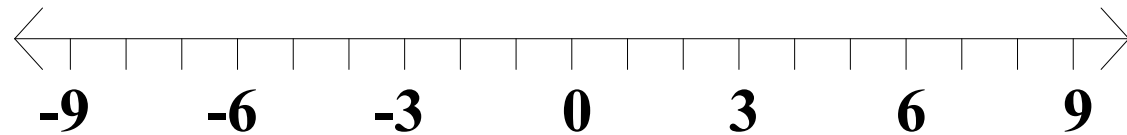
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## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

9.  $|2x - 3| < 5$



### Solving Inequalities

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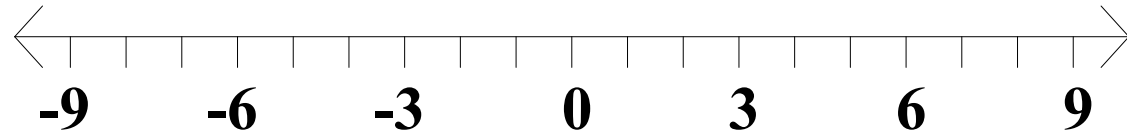
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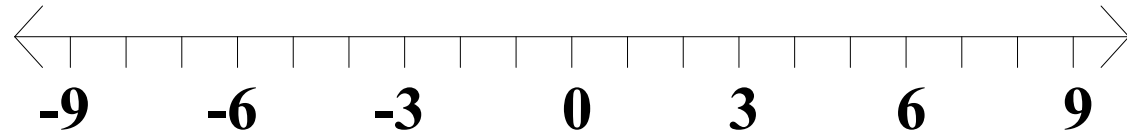
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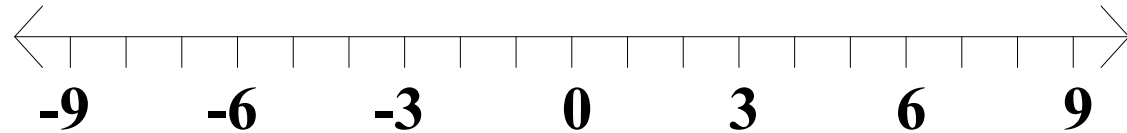
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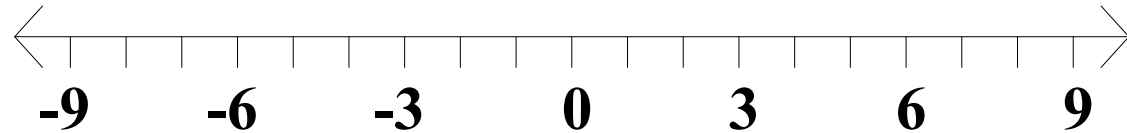
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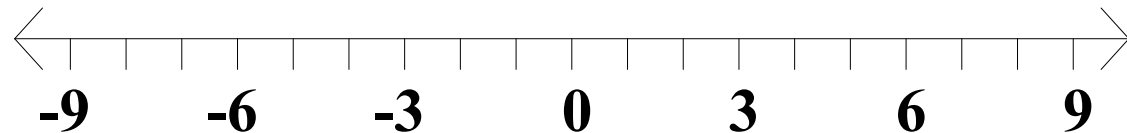
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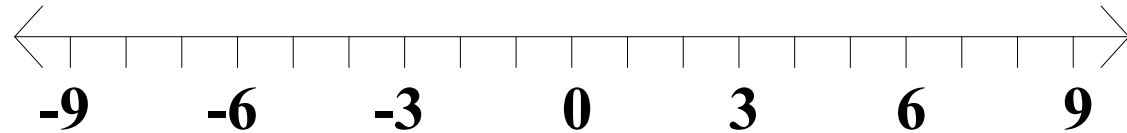
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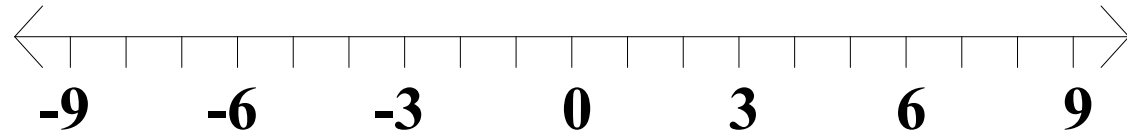
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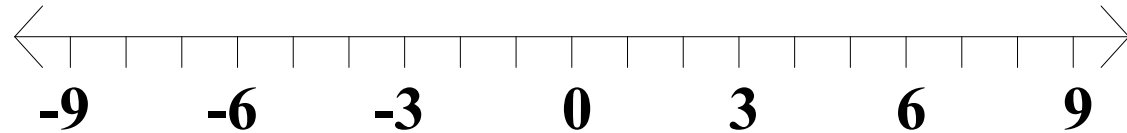
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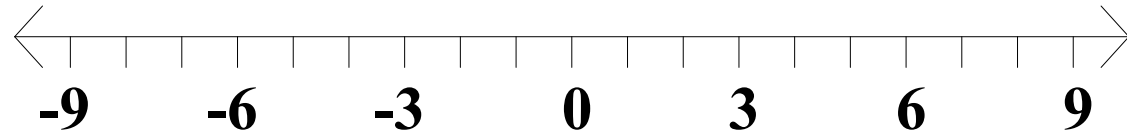


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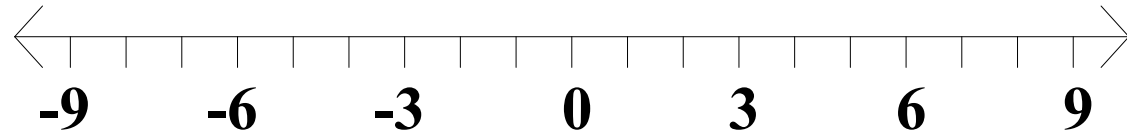
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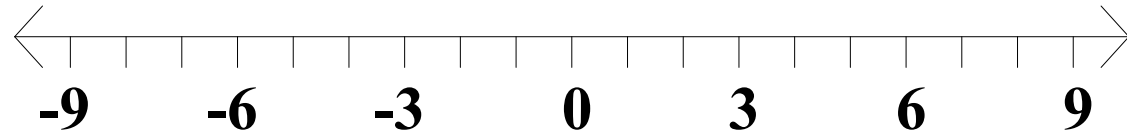
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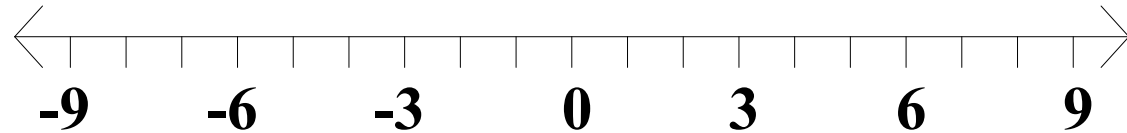
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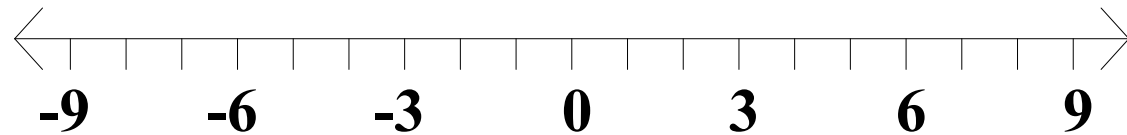
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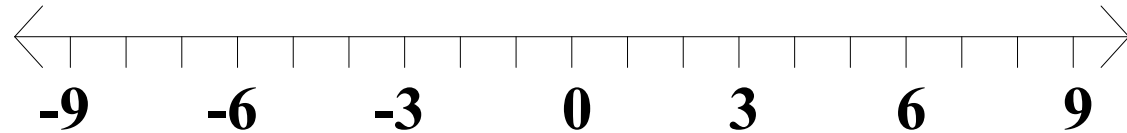
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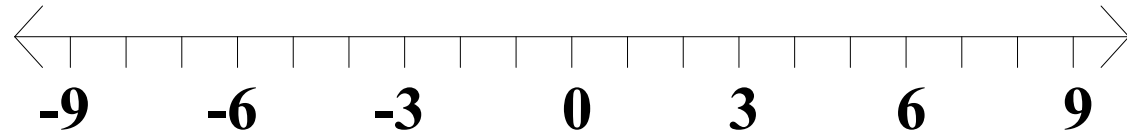
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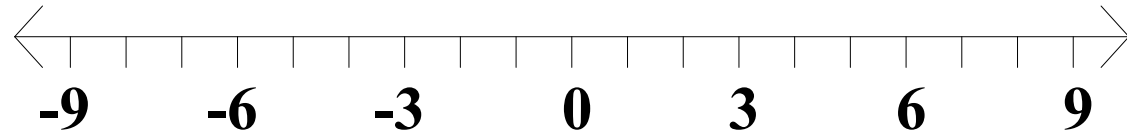
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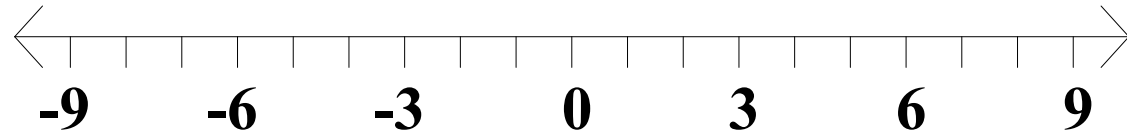
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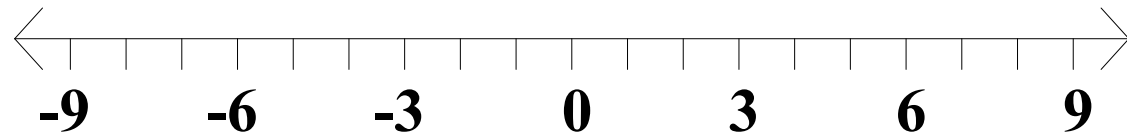
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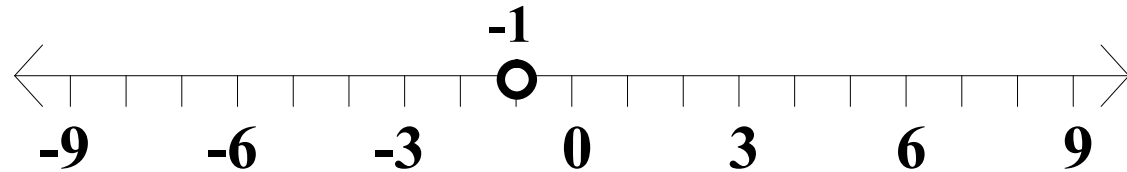
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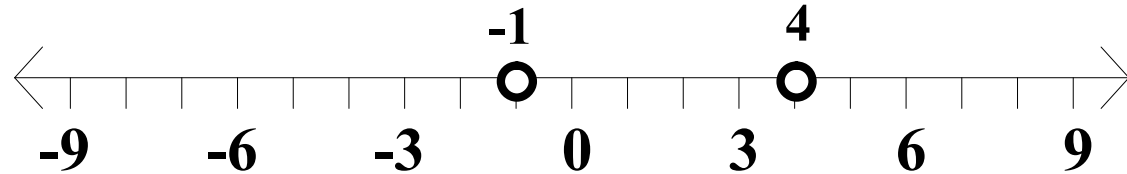
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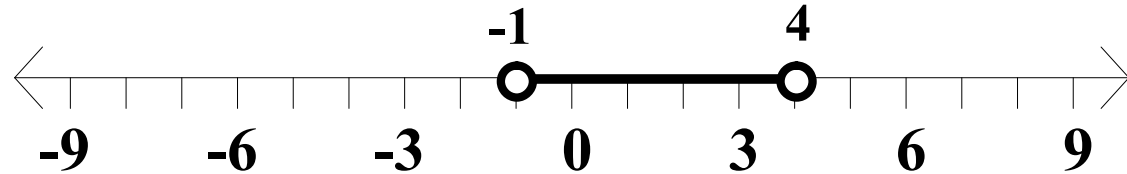
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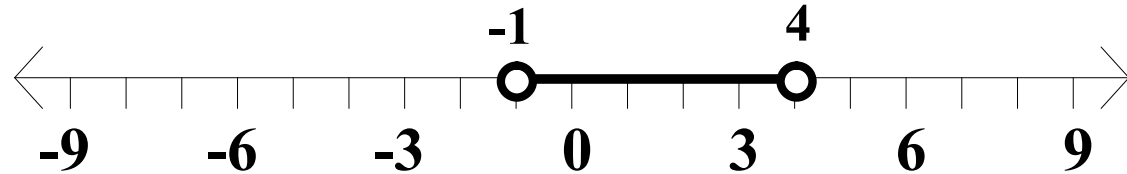
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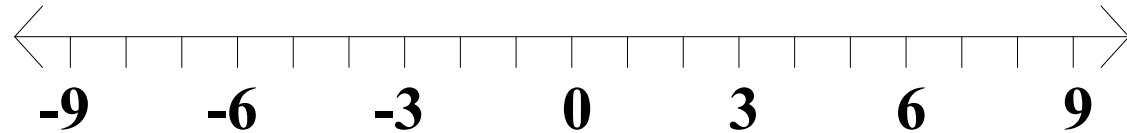
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

10.  $|4x + 6| \leq 10$



### Solving Inequalities

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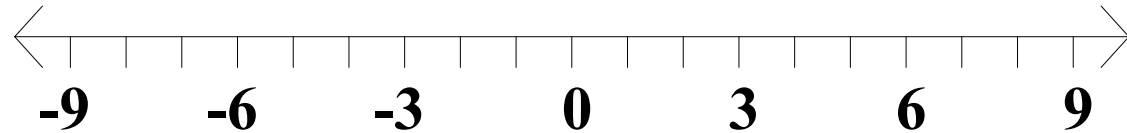
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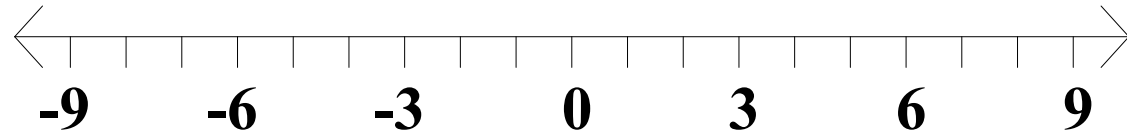
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

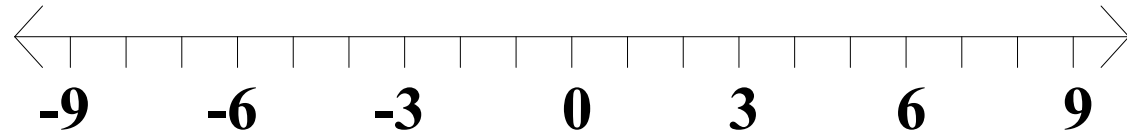
**Step 2: Solve for x.**

**Step 3: Graph the solution set.**

## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

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### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

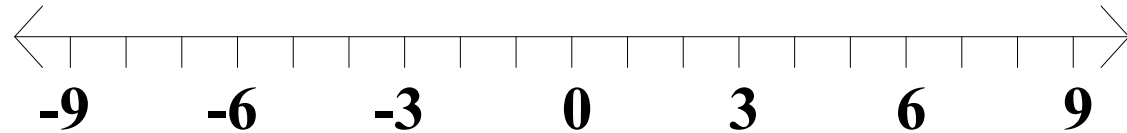
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

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### Solving Inequalities

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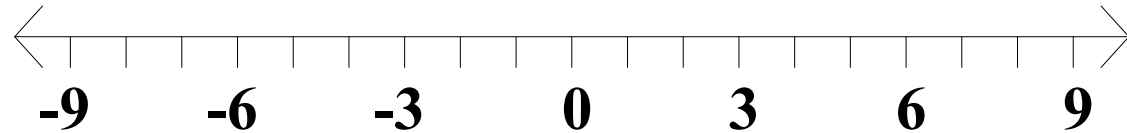
**If  $|N| \leq k$  and  $k > 0$ , then  $-k \leq N \leq k$ .**

---

## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$



### Solving Inequalities

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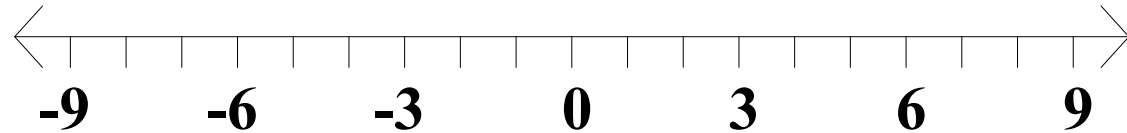
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$4x + 6$$



### Solving Inequalities

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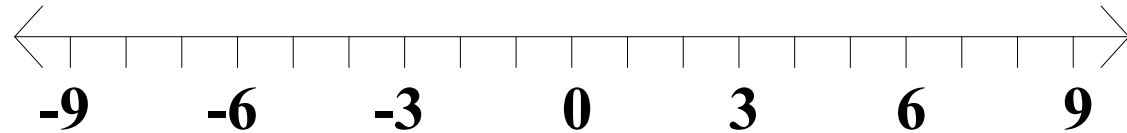
**If  $|N| \leq k$  and  $k > 0$ , then  $-k \leq N \leq k$ .**

## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6$$



### Solving Inequalities

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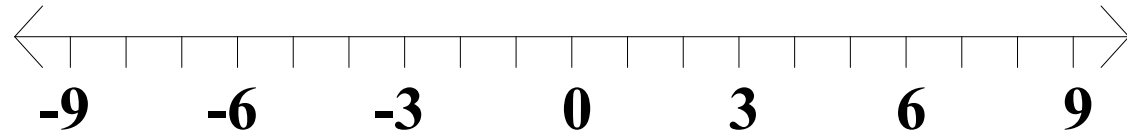
**If | N | ≤ k and k > 0, then -k ≤ N ≤ k.**

## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

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### Solving Inequalities

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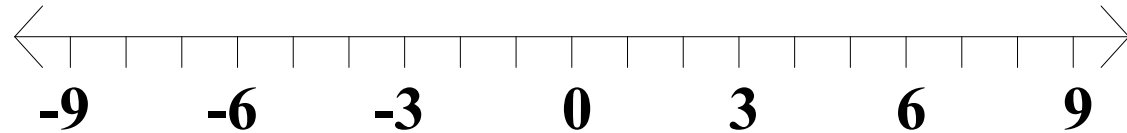
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

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$$\underline{-10} \leq 4x + 6 \leq \underline{10}$$



### Solving Inequalities

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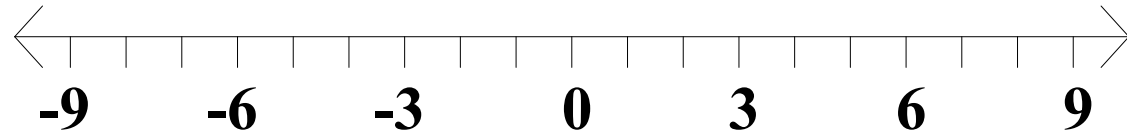


## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6 \leq 10$$



### Solving Inequalities

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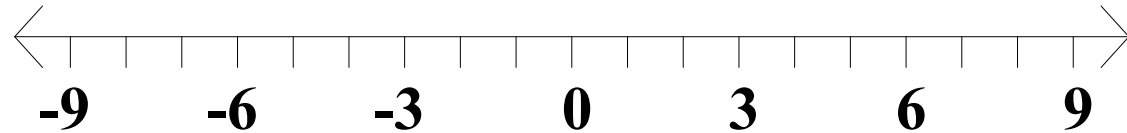
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Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

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$$4x$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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**If  $|N| \leq k$  and  $k > 0$ , then  $-k \leq N \leq k$ .**

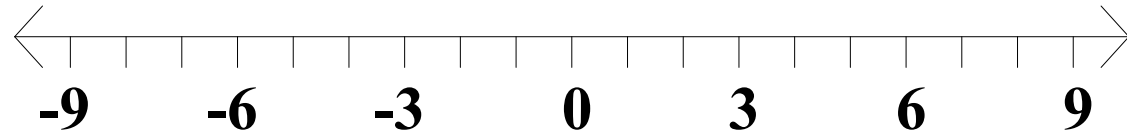
## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6 \leq 10$$

$$-16 \leq 4x$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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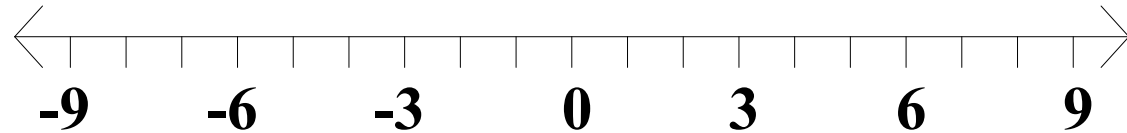
## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6 \leq 10$$

$$-16 \leq 4x \leq 4$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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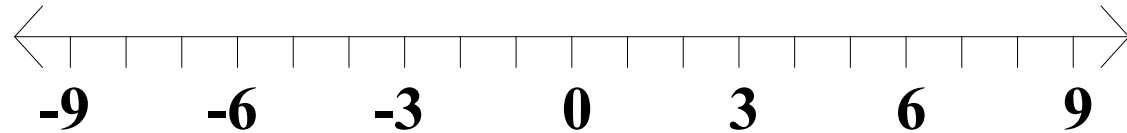
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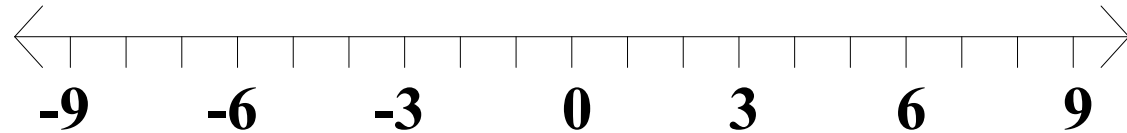
Solve for  $x$ . Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6 \leq 10$$

$$-16 \leq 4x \leq 4$$

$$-4 \leq x$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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## Algebra I Class Worksheet #3 Unit 5

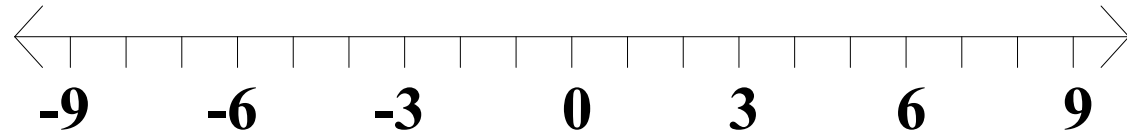
Solve for  $x$ . Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

$$-10 \leq 4x + 6 \leq 10$$

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$$-4 \leq x \leq 1$$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

**Step 2: Solve for  $x$ .**

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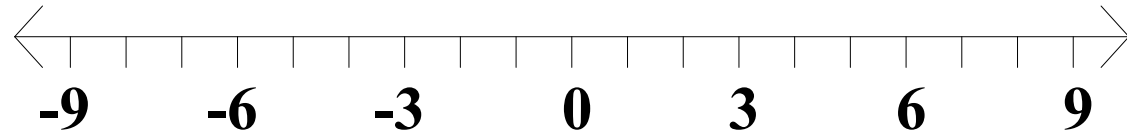
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### Solving Inequalities

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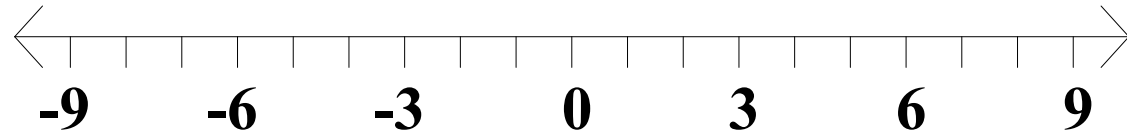
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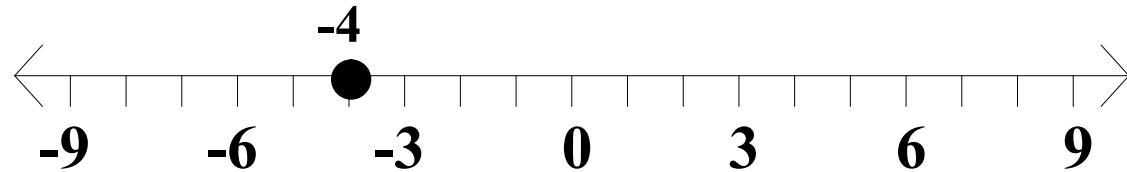
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### Solving Inequalities

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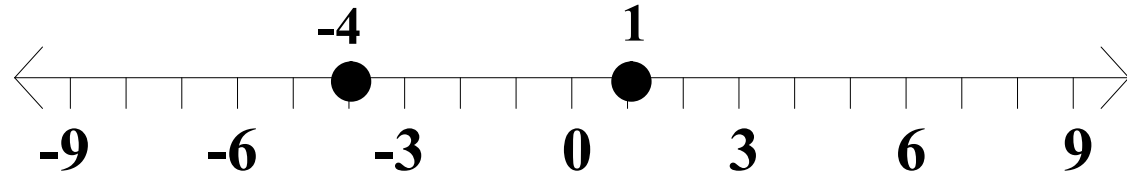
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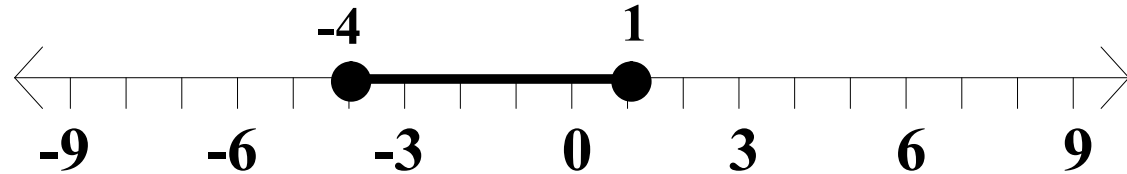
Solve for x. Graph the solution sets on the number lines provided.

$$10. \quad |4x + 6| \leq 10$$

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### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

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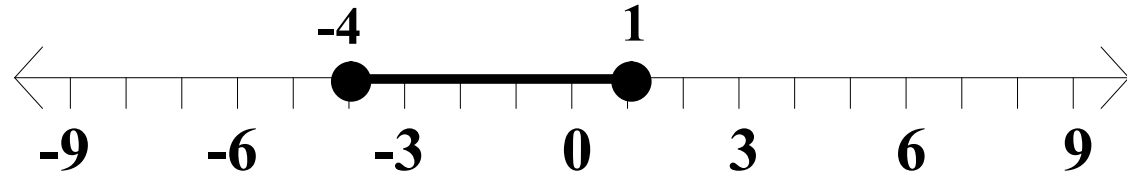
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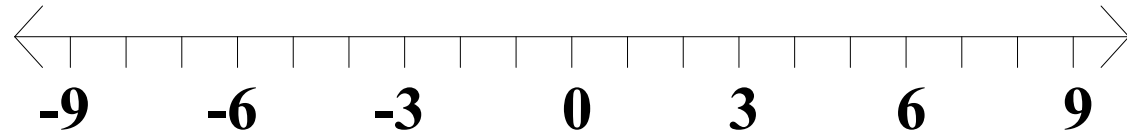
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

11.  $|5x + 3| > 22$



### Solving Inequalities

**Step 1: Analyze the problem and apply the appropriate rule.**

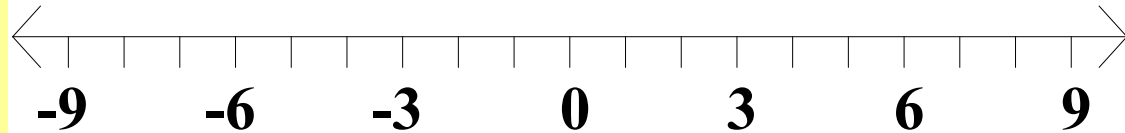
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## Algebra I Class Worksheet #3 Unit 5

Solve for  $x$ . Graph the solution sets on the number lines provided.

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### Solving Inequalities

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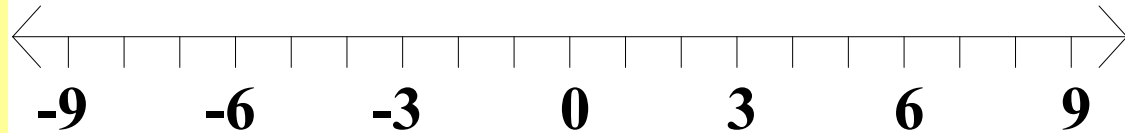
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

$$11. |5x + 3| > 22$$



### Solving Inequalities

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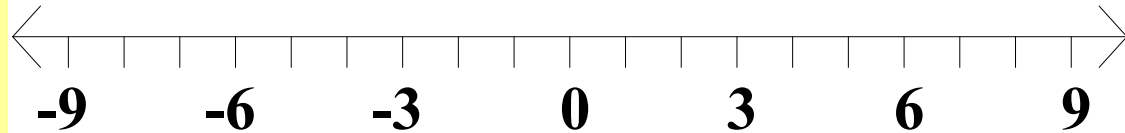
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## Algebra I Class Worksheet #3 Unit 5

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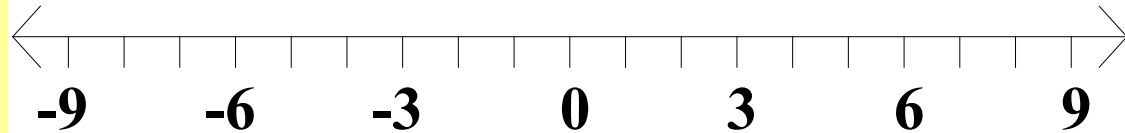
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## Algebra I Class Worksheet #3 Unit 5

Solve for x. Graph the solution sets on the number lines provided.

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### Solving Inequalities

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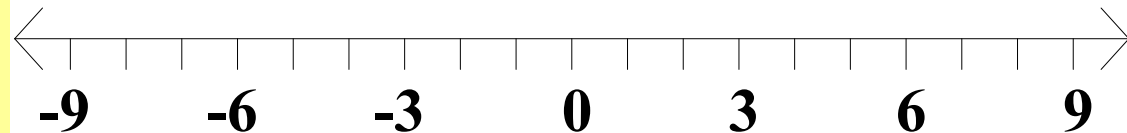
**Step 3: Graph the solution set.**

**If  $|N| > k$  and  $k > 0$ , then  $N < -k$  or  $N > k$ .**

## Algebra I Class Worksheet #3 Unit 5

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### Solving Inequalities

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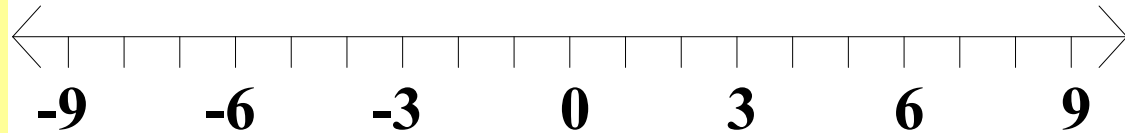
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### Solving Inequalities

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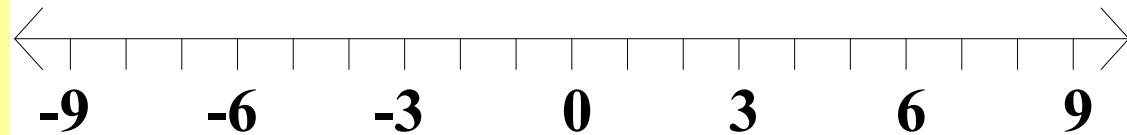
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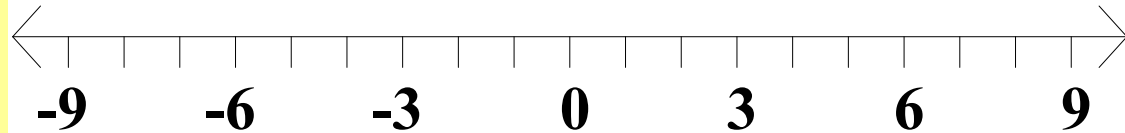
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## Algebra I Class Worksheet #3 Unit 5

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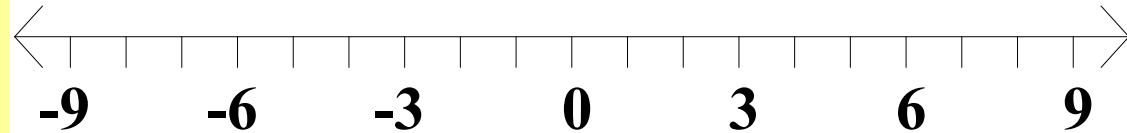
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Solve for x. Graph the solution sets on the number lines provided.

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$$5x + 3 < -22 \text{ or}$$



### Solving Inequalities

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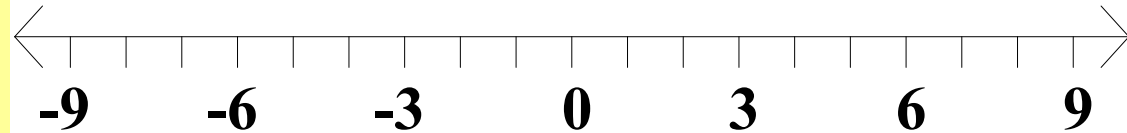
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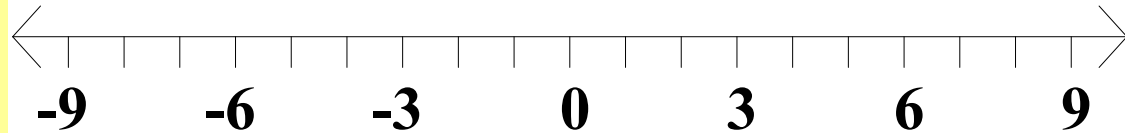


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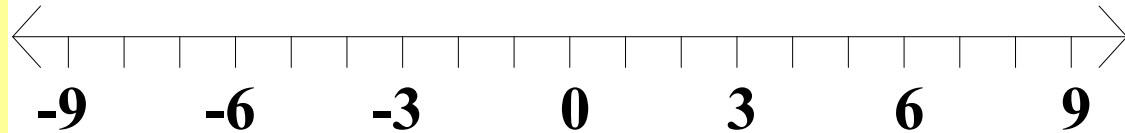
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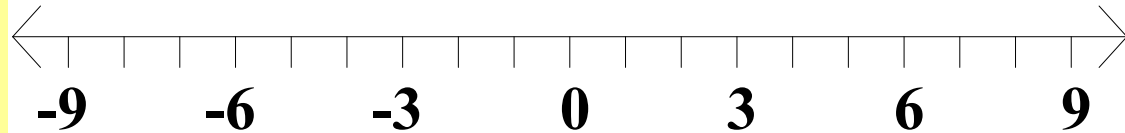
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### Solving Inequalities

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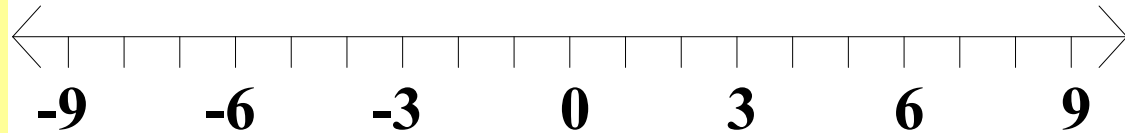
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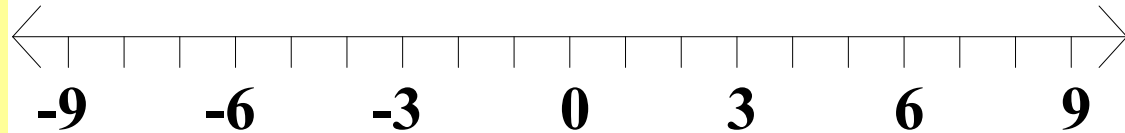
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$$5x$$



### Solving Inequalities

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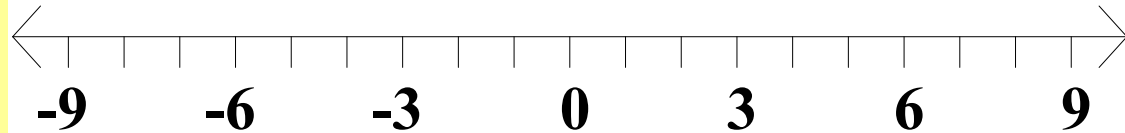
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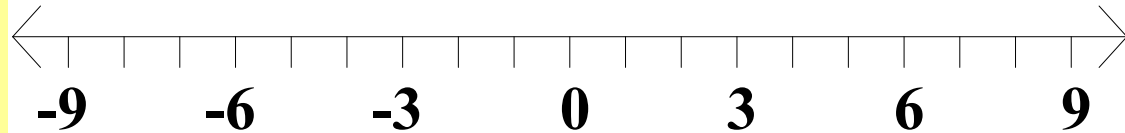
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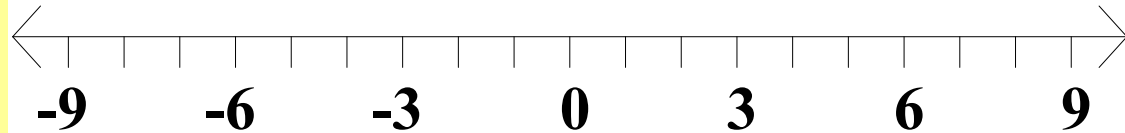
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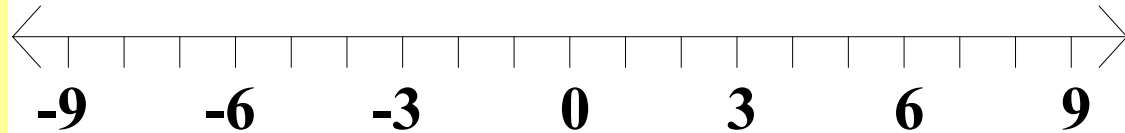
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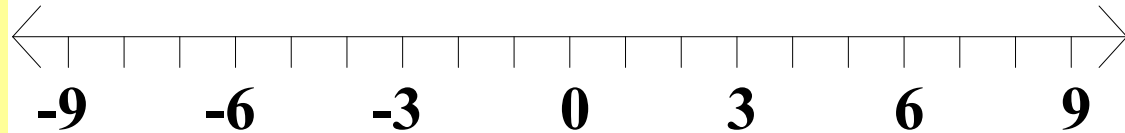
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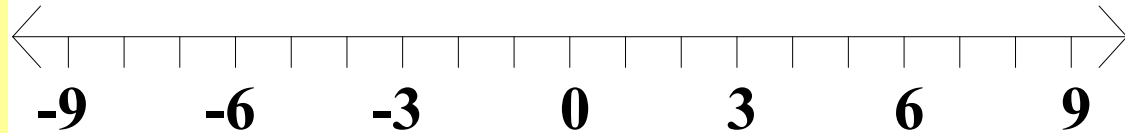
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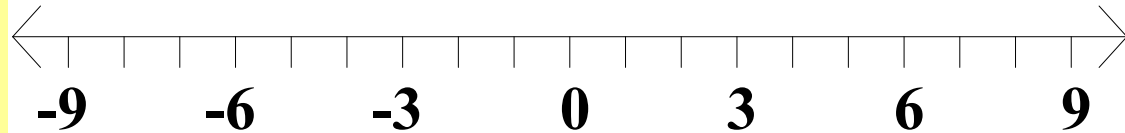
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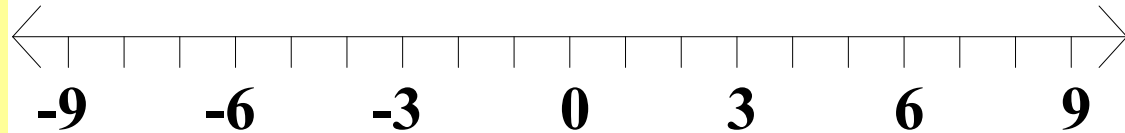
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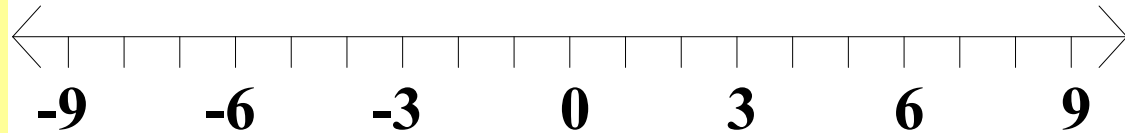
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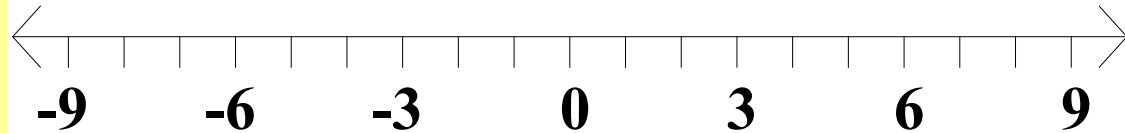
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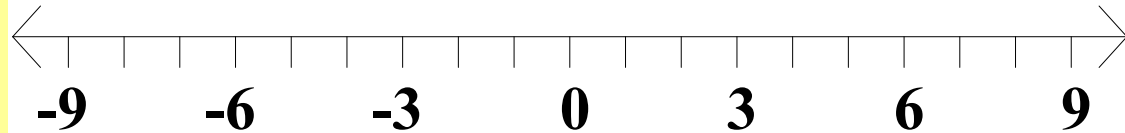
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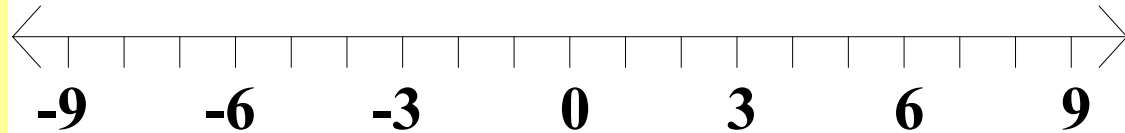
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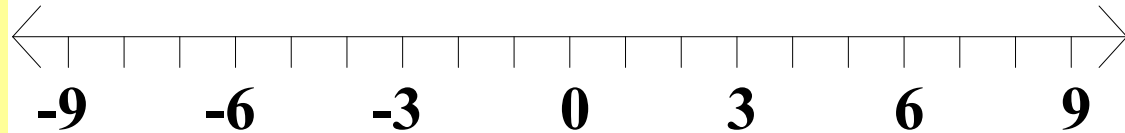
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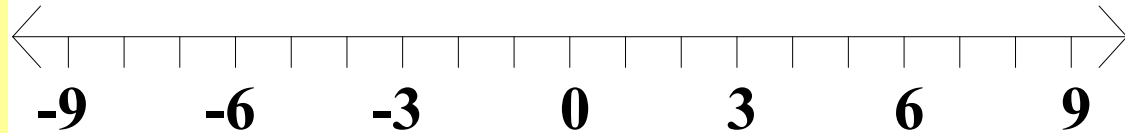
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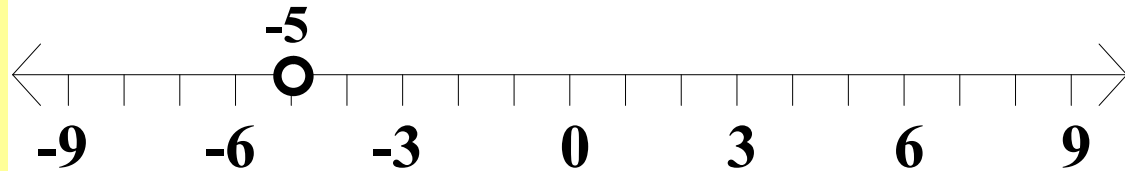
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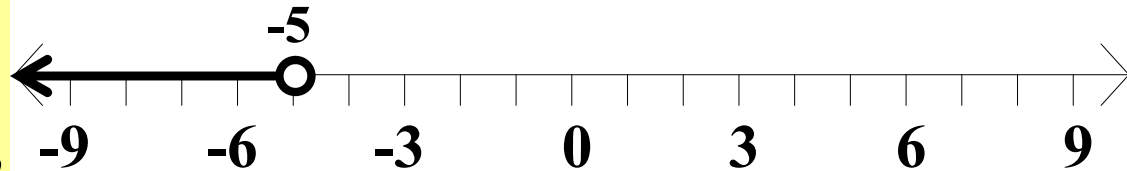
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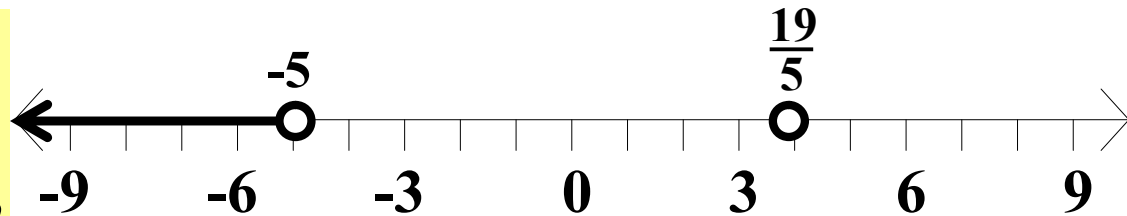
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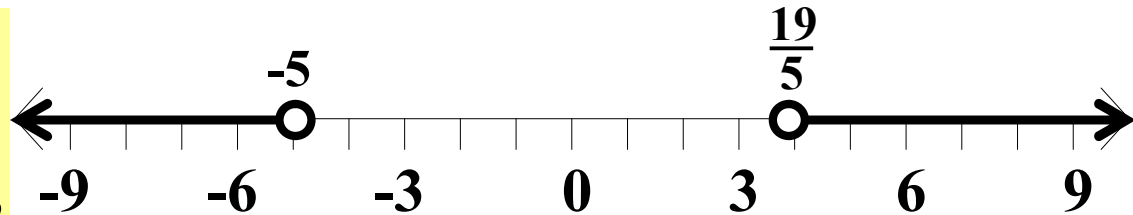
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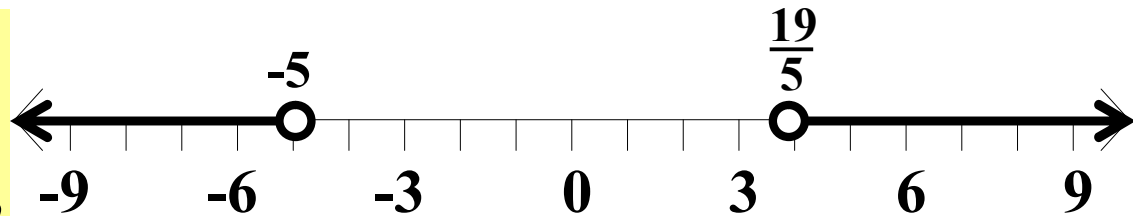
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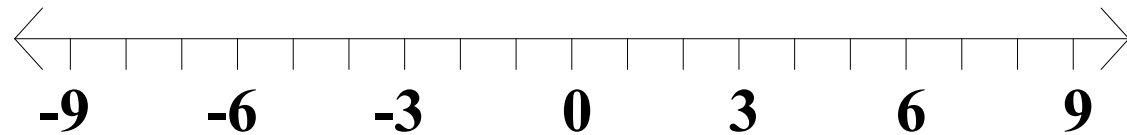
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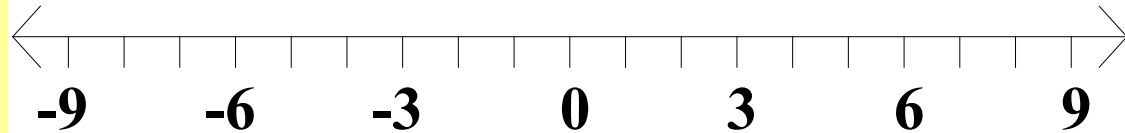
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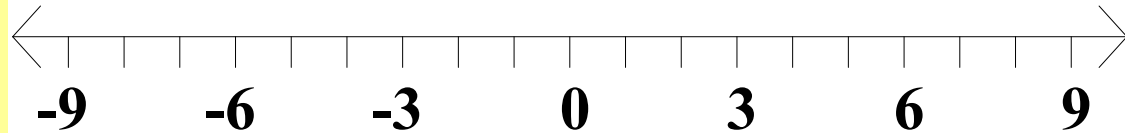
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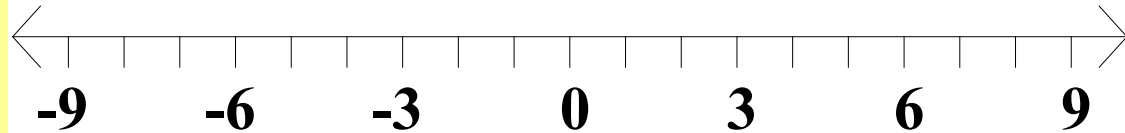
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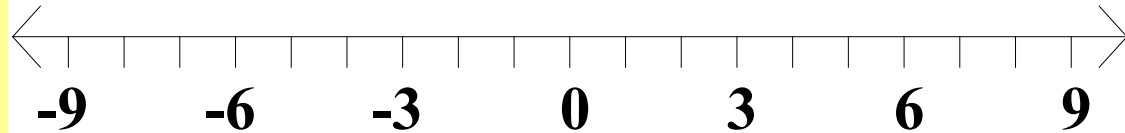
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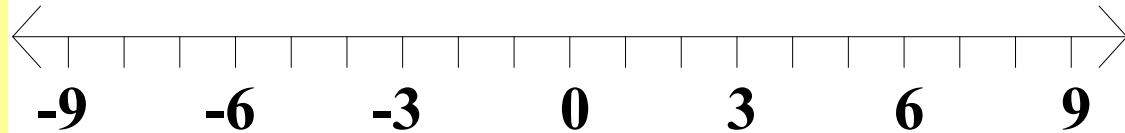
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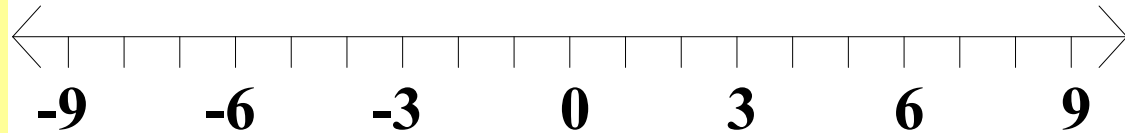
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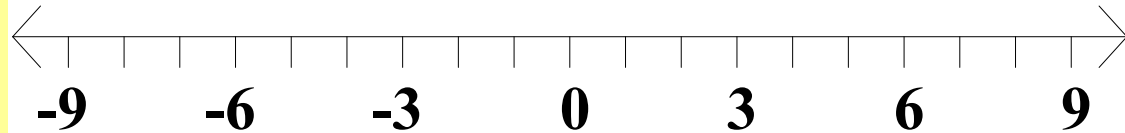
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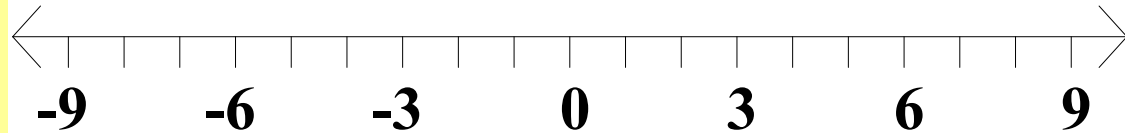


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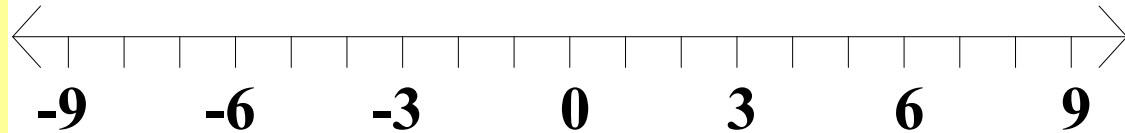
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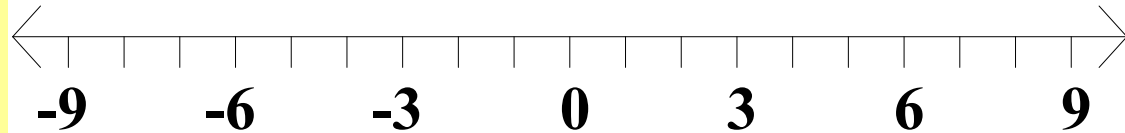
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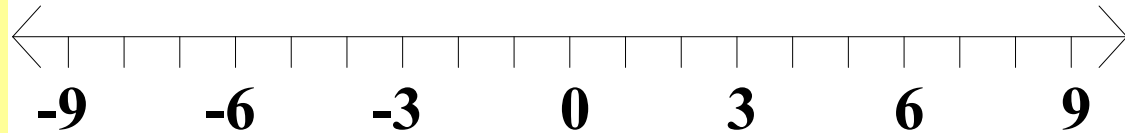
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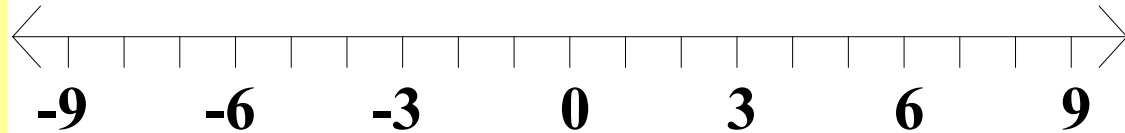
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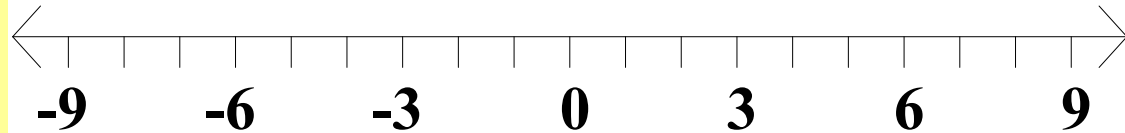
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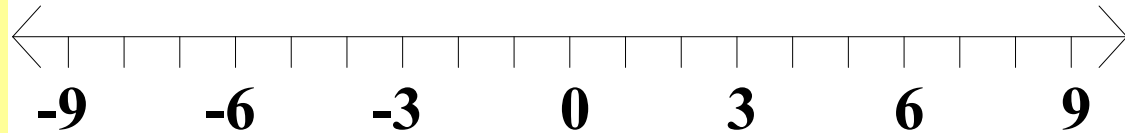
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### Solving Inequalities

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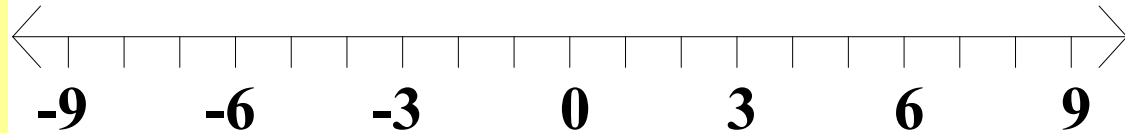
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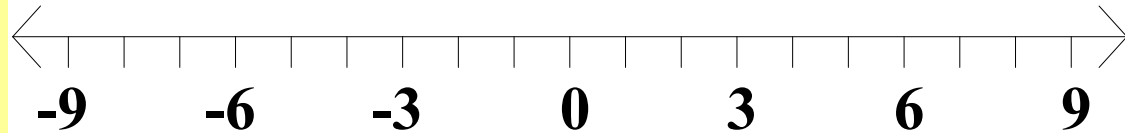
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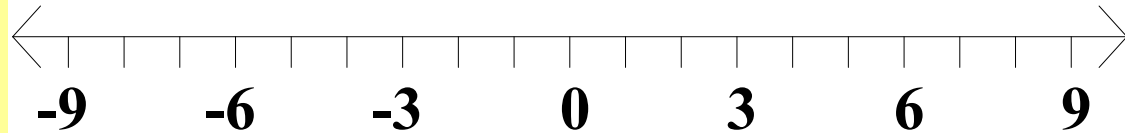
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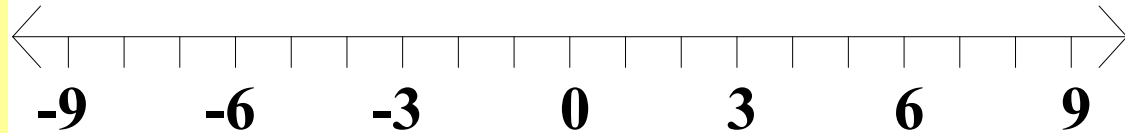
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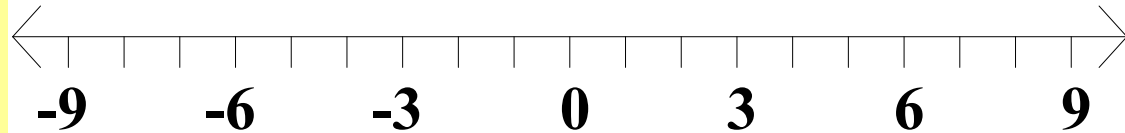
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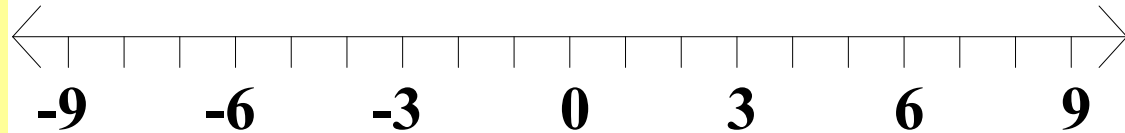
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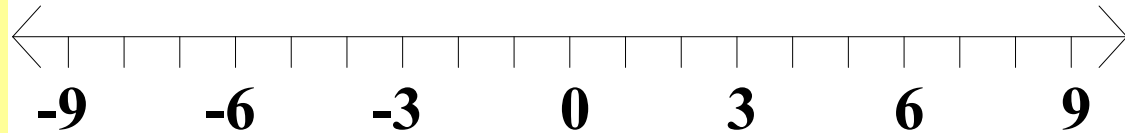
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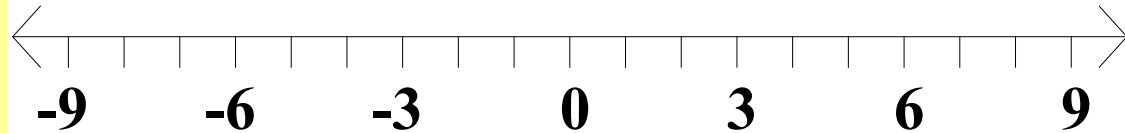
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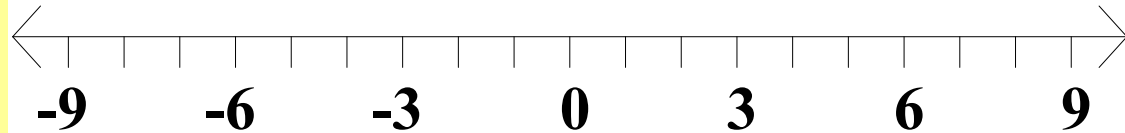
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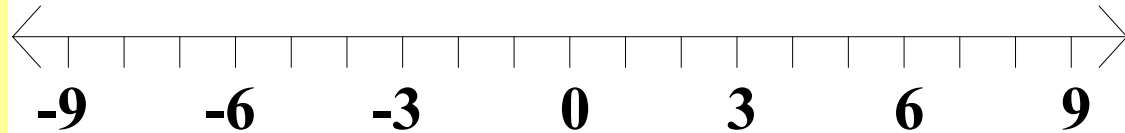
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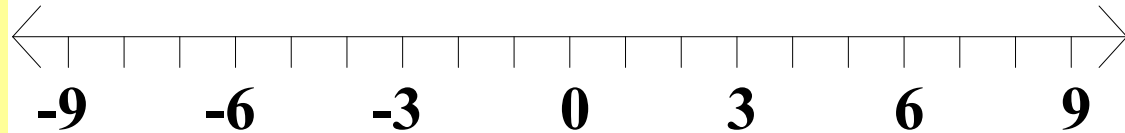
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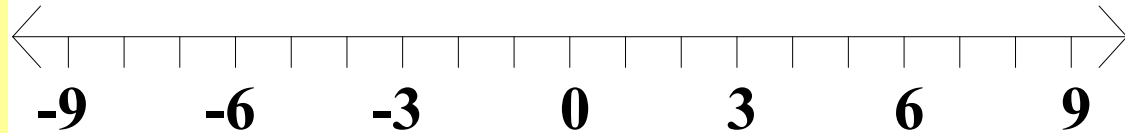
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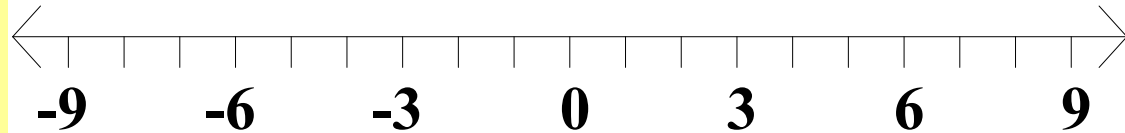
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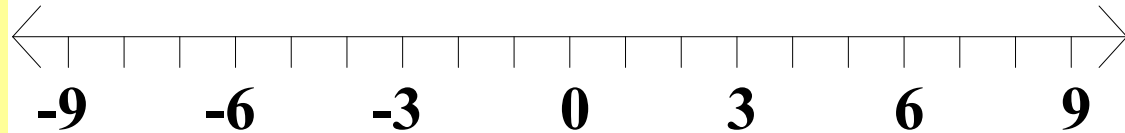
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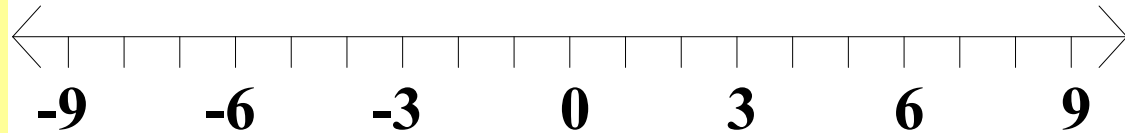
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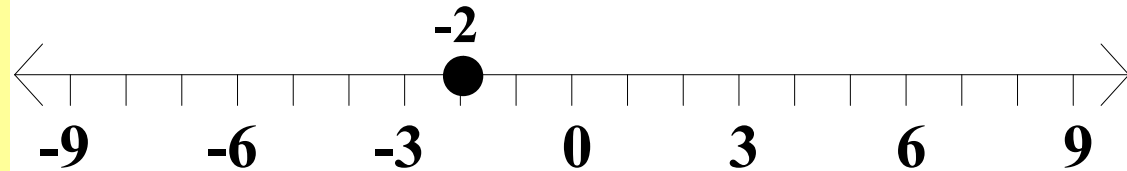
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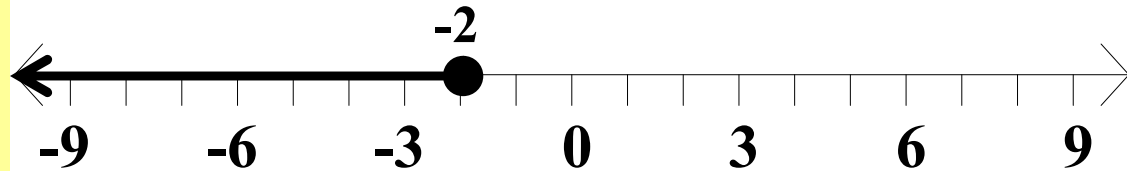
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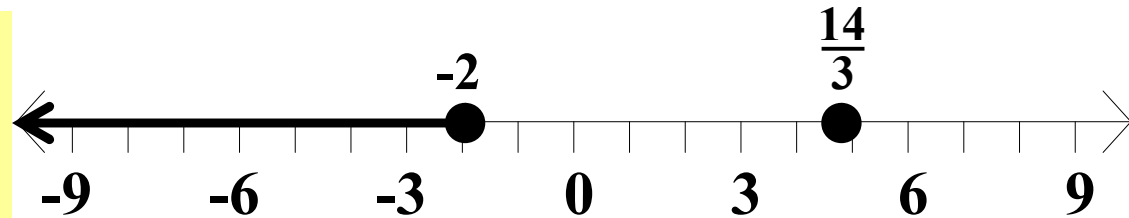
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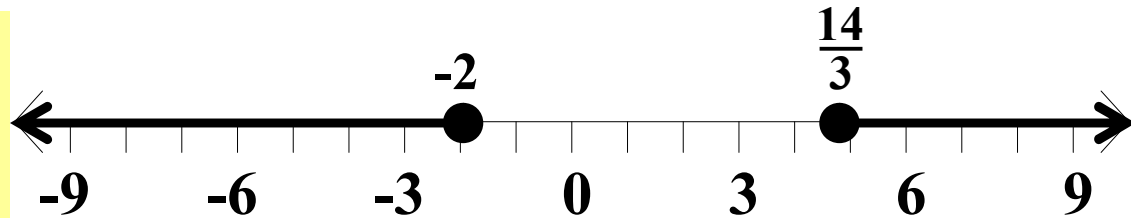
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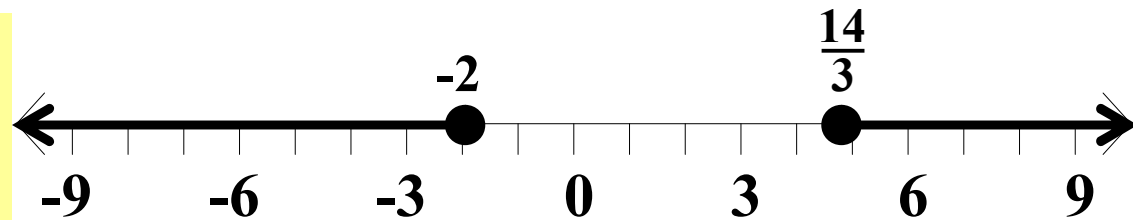
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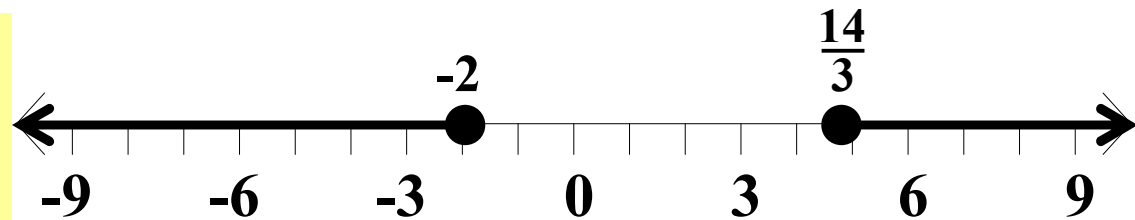
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