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. $|\mathbf{x}|<7$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

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## Solving Inequalities

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If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

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1. $|\mathbf{x}|<7$

$$
\mathbf{x}
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## Solving Inequalities

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If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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$$
\begin{aligned}
& \text { 1. }|x|<7 \\
& -7<x
\end{aligned}
$$



## Solving Inequalities

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

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If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
2. $|x| \leq 2$


## 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.
2. $|\mathbf{x}| \leq 2$


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

Step 2: Solve for $\mathbf{x}$. 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.
2. $|x| \leq 2$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
2. $|x| \leq 2$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>0$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
2. $|\mathbf{x}| \leq 2$
$\mathbf{X}$


## Solving Inequalities

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

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 2. }|x| \leq 2 \\
& -2 \leq x
\end{aligned}
$$



## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>0$, then $-k \leq \mathbf{N} \leq k$.

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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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If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

> 2. $|x| \leq 2$
> $-2 \leq x \leq 2$


## Solving Inequalities

Step 1: Analyze the problem and apply the appropriate rule.
Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>0$, then $-k \leq \mathbf{N} \leq k$.

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Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.
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Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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## Solving Inequalities

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Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>0$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|\mathbf{3 x}+2|<7$


## 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.
3. $|\mathbf{3 x}+2|<7$


## 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.
3. $|\mathbf{3 x}+2|<7$


## Solving Inequalities

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Step 2: Solve for $\mathbf{x}$.
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.
3. $|\mathbf{3 x}+2|<7$


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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.
3. $|\mathbf{3 x}+2|<7$


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|\mathbf{3 x}+2|<7$


## Solving Inequalities

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

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## If $|\mathbf{N}|<\mathbf{k}$ and $\mathbf{k}>\mathbf{0}$, then $-\mathbf{k}<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$

$$
\left.\begin{array}{cccc}
3 x+2 & -9 & -6 & -3
\end{array}\right) 0
$$

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$
$-7<3 x+2$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
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## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$
$-7<3 x+2<7$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}|<k$ 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.
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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.
3. $|3 x+2|<7$
$-7<3 x+2<7$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$
$-7<3 x+2<7$


3x

## Solving Inequalities

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

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If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$
$-7<3 x+2<7$
$-9<3 x$

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## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 3. }|3 x+2|<7 \\
-7<3 x+2<7 \\
-9<3 x<5
\end{gathered}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
3. $|3 x+2|<7$
$-7<3 x+2<7$
$-9<3 x<5$

X
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
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## Algebra I Class Worksheet \#3 Unit 5

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3. $|3 x+2|<7$
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$-9<3 x<5$
$-3<x$
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$-3<x<\frac{5}{3} \quad$ Solving Inequalities
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& \text { 3. }|3 x+2|<7 \\
& -7<3 x+2<7 \\
& -9<3 x<5 \\
& -3<x<\frac{5}{3} \quad \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
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\end{aligned}
$$

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& -7<3 x+2<7 \\
& -9<3 x<5 \\
& -3<x<\frac{5}{3} \quad \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
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& -9<3 x<5 \\
& -3<x<\frac{5}{3} \quad \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
4. $|5 \mathrm{x}-3| \leq 2$


## 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.
4. $|5 \mathrm{x}-3| \leq 2$


## 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.
4. $|5 x-3| \leq 2$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
4. $|5 x-3| \leq 2$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
4. $|5 x-3| \leq 2$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
4. $|5 x-3| \leq 2$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.
4. $|5 x-3| \leq 2$

$$
\begin{array}{ccccc}
5 x-3 & -9 & -6 & -3 & 0 \\
& \text { Solving Inequalities }
\end{array}
$$

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3
\end{aligned}
$$



Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3 \leq 2
\end{aligned}
$$



Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
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If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3 \leq 2
\end{aligned}
$$



Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3 \leq 2
\end{aligned}
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
4. $|5 x-3| \leq 2$
$-2 \leq 5 x-3 \leq 2$


5x

## Solving Inequalities

Step 1: Analyze the problem and apply the appropriate rule.
Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3 \leq 2 \\
& 1 \leq 5 x
\end{aligned}
$$

$$
\int_{-0} 1011
$$

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 \\
1 \leq 5 x \leq 5
\end{gathered}
$$

## Solving Inequalities

Step 1: Analyze the problem and apply the appropriate rule.
Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{array}{cl}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 & -9 \\
-6 & -3 \\
1 \leq 5 x \leq 5 & \\
x & \\
\text { Solving Inequalities }
\end{array}
$$

$$
\begin{array}{ccccccc} 
& & & & & \\
-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

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

Solve for x . Graph the solution sets on the number lines provided.
4. $|5 x-3| \leq 2$
$-2 \leq 5 x-3 \leq 2$

$1 \leq 5 x \leq 5$
$\frac{1}{5} \leq \mathrm{x}$
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.
4. $|5 x-3| \leq 2$
$-2 \leq 5 x-3 \leq 2$

$1 \leq 5 x \leq 5$
$\frac{1}{5} \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{gathered}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 \\
1 \leq 5 x \leq 5 \\
\frac{1}{5} \leq x \leq 1
\end{gathered}
$$

$\square$

## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
4. $|5 x-3| \leq 2$
$-2 \leq 5 x-3 \leq 2$

$1 \leq 5 x \leq 5$
$\frac{1}{5} \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 4. }|5 x-3| \leq 2 \\
& -2 \leq 5 x-3 \leq 2 \\
& 1 \leq 5 x \leq 5 \\
& \frac{1}{5} \leq x \leq 1 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. }
\end{aligned}
$$

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 \\
1 \leq 5 x \leq 5 \\
\frac{1}{5} \leq x \leq 1
\end{gathered}
$$



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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

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\begin{gathered}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 \\
1 \leq 5 x \leq 5 \\
\frac{1}{5} \leq x \leq 1
\end{gathered}
$$



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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 4. }|5 x-3| \leq 2 \\
-2 \leq 5 x-3 \leq 2 \\
1 \leq 5 x \leq 5 \\
\frac{1}{5} \leq x \leq 1
\end{gathered}
$$



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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
5. $|x|>1$


## 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.

$$
\text { 5. }|x|>1
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. 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.

$$
\text { 5. }|x|>1
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. 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.

$$
\text { 5. }|x|>1
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. 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.
5. $|x|>1$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

## If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
5. $|x|>1$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

## If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 5. }|x|>1
$$



## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<
\end{aligned}
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<-1
\end{aligned}
$$



## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<-1 \text { or }
\end{aligned}
$$



## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{r}
\text { 5. }|x|>1 \\
x<-1 \text { or } x
\end{array}
$$



## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<-1 \text { or } x> \\
& \begin{array}{ccccccc}
< & & & & 1 \\
-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<-1 \text { or } x>1 \\
& \begin{array}{cccc|c|c|c|c|}
\hline-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& \mathrm{x}<-1 \text { or } \mathrm{x}>1 \\
& \begin{array}{ccccccc}
< & & & & \\
-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& \mathrm{x}<-1 \text { or } \mathrm{x}>1 \\
& \begin{array}{ccccccc}
< & & & & \\
-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 5. }|x|>1 \\
& x<-1 \text { or } x>1 \\
& \begin{array}{cccc|c|c|c|c|}
\hline-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\left.\begin{array}{l|l|l|l|l|l|l}
\text { 5. }|x|>1 \\
x<-1 & \text { or } x>1 & -9 & -6 & -3 & 0 & 3
\end{array}\right) 6
$$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

\[

\]

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $N<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

\[

\]

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{ccccccccc}
\text { 5. }|x|>1 \\
x<-1 \text { or } x>1 & -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{cccccccc}
\text { 5. }|x|>1 \\
x<-1 \text { or } x>1 & -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
6. $|x| \geq 6$


## 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.
6. $|x| \geq 6$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. 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.
6. $|x| \geq 6$


## 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.
6. $|x| \geq 6$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. 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.
6. $|x| \geq 6$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

## If $|\mathbf{N}| \geq k$ 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. $|x| \geq 6$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

## If $|\mathbf{N}| \geq k$ 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. $|x| \geq 6$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
6. $|x| \geq 6$
$\mathbf{x} \leq$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

## If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $\mathbf{N} \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{rllllll|l}
\text { 6. }|x| \geq 6 \\
x \leq-6 & & & & & & \\
x \leq-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 6. }|x| \geq 6 \\
& x \leq-6 \text { or }
\end{aligned}
$$



Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

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$$
\begin{aligned}
& \text { 6. }|x| \geq 6 \\
& x \leq-6 \text { or } x
\end{aligned}
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Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}| \geq k$ 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. $|x| \geq 6$
> $x \leq-6$ or $x \geq$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 6. }|x| \geq 6 \\
& x \leq-6 \text { or } x \geq 6 \\
& x
\end{aligned} \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 6. }|x| \geq 6 \\
& x \leq-6 \text { or } x \geq 6 \\
& x \leq-9 \\
& -6
\end{aligned} \quad-3 \quad 0 \quad 3 \quad 6 \quad 9
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $N \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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\begin{aligned}
& \text { 6. }|x| \geq 6 \\
& x \leq-6 \text { or } x \geq 6 \\
& x
\end{aligned} \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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. $|x| \geq 6$
> $x \leq-6$ or $x \geq 6$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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. $|x| \geq 6$
> $x \leq-6$ or $x \geq 6$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
7. $|2 x+5|>1$


## 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.
7. $|2 x+5|>1$


## 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.
7. $|2 x+5|>1$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
7. $|2 x+5|>1$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
7. $|2 x+5|>1$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
7. $|2 x+5|>1$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 7. }|2 x+5|>1
$$

$2 x+5$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 7. }|2 x+5|>1
$$

$2 x+5<$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 7. }|2 x+5|>1
$$

$2 x+5<-1$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 7. }|2 x+5|>1
$$

$2 x+5<-1$ or


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 7. }|2 x+5|>1 \\
2 x+5<-1 \text { or } 2 x+5>1
\end{gathered}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 7. }|2 x+5|>1 \\
2 x+5<-1 \text { or } 2 x+5>1
\end{gathered}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 7. }|2 x+5|>1 \\
2 x+5<-1 \text { or } 2 x+5>1
\end{gathered}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 7. }|2 x+5|>1 \\
2 x+5<-1 \text { or } 2 x+5>1 \\
2 x<
\end{gathered}
$$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $N<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

```
    7. \(|2 x+5|>1\)
\(2 x+5<-1\) or \(2 x+5>1\)
    \(2 x<-6\)
    X
```

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6 \\
& x<
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9 \\
& 2 x<-6 \\
& x<-3
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9 \\
& 2 x<-6 \quad 2 x \\
& x<-3
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{rl}
\text { 7. }|2 x+5|>1 & \\
2 x+5 & <-1 \text { or } 2 x+5>1 \\
2 x & -9 \\
<-6 & -6 \\
x & 2 x> \\
x &
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 10 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{rl}
\text { 7. }|2 x+5|>1 & \\
2 x+5<-1 \text { or } 2 x+5>1 & -9 \\
2 x & -6 \\
2 x & -3 \\
x & 2 x>-4 \\
x & x
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{rl}
\text { 7. }|2 x+5|>1 & \\
2 x+5 & \text { or } 2 x+5>1 \\
2 x & -9 \\
<-6 & \\
2 x>-4 & \\
x & -6 \\
x & x
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \quad x>-2
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x-9 \\
&<-6-6 \\
& 2 x>-4 \\
& x-3 \\
& \text { or } x>-2
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1
\end{aligned} \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \quad 9
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \begin{array}{lllllllll} 
& -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array} \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 7. }|2 x+5|>1 \\
& 2 x+5<-1 \text { or } 2 x+5>1 \\
& 2 x<-6 \quad 2 x>-4 \\
& x<-3 \text { or } x>-2
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
8. $|6 x-1| \geq 6$


## 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.
8. $|6 x-1| \geq 6$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
8. $|6 x-1| \geq 6$


## 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.
8. $|6 x-1| \geq 6$


## 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.
8. $|6 x-1| \geq 6$


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
8. $|6 x-1| \geq 6$


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
8. $|6 x-1| \geq 6$
$6 x-1$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
8. $|6 x-1| \geq 6$
$6 x-1 \leq$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}| \geq k$ 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.
8. $|6 x-1| \geq 6$
$6 x-1 \leq-6$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
8. $|6 x-1| \geq 6$
$6 x-1 \leq-6$ or


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
8. $|6 x-1| \geq 6$
$6 x-1 \leq-6$ or $6 x-1$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
8. $|6 x-1| \geq 6$
$\begin{aligned} 6 x-1 \leq-6 & \text { or } 6 x-1 \geq \\ & -9 \\ -6 & -3\end{aligned}$
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
$\square$
8. $|6 x-1| \geq 6$
$6 x-1 \leq-6$ or $6 x-1 \geq 6 \begin{array}{cccccccc}-9 & -6 & -3 & 0 & 3 & 6 & 9\end{array}$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 }
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
$\square$
8. $|6 x-1| \geq 6$
$6 x-1 \leq-6$ or $6 x-1 \geq 6 \begin{array}{llllllll} & -9 & -6 & -3 & 0 & 3 & 6 & 9\end{array}$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.
$\square$
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|N| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
& 6 x \leq-5
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
& 6 x \leq-5 \\
& x
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|N| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \quad-9 \quad-6 \\
& 6 x \leq-5 \\
& x \leq \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 } \\
& 6 x \leq-5 \\
& x \leq \frac{-5}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 } \quad-6 \\
& 6 x \leq-5 \quad 6 x \\
& x \leq \frac{-5}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 } \\
& 6 x \leq-5 \quad 6 x \geq \\
& x \leq \frac{-5}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 } \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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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\begin{aligned}
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& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \text {-9 } \quad-6 \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \quad x \\
& \text { Solving Inequalities }
\end{aligned}
$$

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \begin{array}{lllllllll} 
& -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array} \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \quad x \geq \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
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\end{aligned}
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If $|\mathbf{N}| \geq k$ 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.

$$
\begin{array}{ccccccccc}
\text { 8. }|6 x-1| \geq 6 \\
6 x-1 \leq-6 & \text { or } 6 x-1 \geq 6 & -9 & -6 & -3 & 0 & 3 & 6 & 9 \\
6 x \leq-5 & 6 x \geq 7 \\
x \leq \frac{-5}{6} & x \geq \frac{7}{6} & & & & & \\
\text { Solving Inequalities }
\end{array}
$$

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.

$$
\begin{array}{cllllllll}
\text { 8. }|6 x-1| \geq 6 \\
6 x-1 \leq-6 & \text { or } 6 x-1 \geq 6 & -9 & -6 & -3 & 0 & 3 & 6 & 9 \\
6 x & \leq-5 & 6 x \geq 7 \\
x \leq \frac{-5}{6} & \text { or } & x \geq \frac{7}{6} \\
\text { Solving Inequalities }
\end{array}
$$

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \begin{array}{llllllll} 
& -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array} \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \quad \text { or } \quad x \geq \frac{7}{6} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \quad \text { or } \quad x \geq \frac{7}{6} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 8. }|6 x-1| \geq 6 \\
& \stackrel{\frac{-5}{6}}{4} \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \begin{array}{llllllll}
-9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array} \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \text { or } x \geq \frac{7}{6} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

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& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \text { or } x \geq \frac{7}{6} \\
& \text { Step 1: Analyze the problem and apply the } \\
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& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \quad \text { or } \quad x \geq \frac{7}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
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\end{aligned}
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If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

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& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
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& x \leq \frac{-5}{6} \text { or } x \geq \frac{7}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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& \text { 8. }|6 x-1| \geq 6 \\
& 6 x-1 \leq-6 \text { or } 6 x-1 \geq 6 \\
& 6 x \leq-5 \quad 6 x \geq 7 \\
& x \leq \frac{-5}{6} \text { or } x \geq \frac{7}{6} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
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& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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


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


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


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


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


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.

## If $|\mathbf{N}|<\mathbf{k}$ and $k>0$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
9. $|2 x-3|<5$


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
9. $|2 x-3|<5$
$2 \mathrm{x}-3$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

```
9. }|2\textrm{x}-3|<
-5<2x-3
```



Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{lcccccc|c}
\text { 9. }|2 x-3|<5 & & & \\
-5<2 x-3<5 & -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
& -2<2 x
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>0$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
& -2<2 x<8
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>0$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 9. }|2 x-3|<5 \\
-5<2 x-3<5 \\
-5 \\
-2<2 x<8
\end{gathered}
$$

X
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ 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.

$$
\left.\begin{array}{l}
\text { 9. }|2 x-3|<5 \\
-5<2 x-3<5 \\
-2<2 x<8 \\
-1<6
\end{array}\right)
$$

If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
& -5 \\
& -2<2 x<8 \\
& -1<x<4 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: } \\
& \text { Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
& -5 \\
& -2<2 x<8 \\
& -1<x<4 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: } \\
& \text { Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\left.\begin{array}{rl}
\text { 9. }|2 x-3|<5 \\
-5 & <2 x-3<5 \\
-2 & -9 \\
<2 x & -6
\end{array}\right)-3 \quad 0 \quad 3 \quad 6
$$

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\left.\begin{array}{l}
\text { 9. }|2 x-3|<5 \\
-5<2 x-3<5 \\
-5 \\
-2<2 x
\end{array}\right)-6
$$

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|<\mathbf{k}$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<\mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 9. }|2 x-3|<5
\end{aligned}
$$

$$
\begin{aligned}
& -5<2 x-3<5 \\
& -2<2 x<8 \\
& -1<x<4 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. }
\end{aligned}
$$

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& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
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& -1<x<4 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
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$$

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If $|\mathbf{N}|<k$ and $k>0$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

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

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\begin{aligned}
& \text { 9. }|2 x-3|<5 \\
& -5<2 x-3<5 \\
& -2<2 \mathrm{x}<8 \\
& -1<x<4 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|<k$ and $k>\mathbf{0}$, then $-k<\mathbf{N}<k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
10. $|4 x+6| \leq 10$


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


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


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


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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>0$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
10. $|4 x+6| \leq 10$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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. $|4 x+6| \leq 10$
$\begin{array}{ccccc}4 x+6 & -9 & -6 & -3 & 0 \\ & & \\ & \text { Solving Inequalities }\end{array}$
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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. $\|4 x+6\| \leq 10$ |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $-10 \leq 4 x+6$ | -9 | -6 | -3 | 0 | 3 | 6 | 9 |

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 10. }|4 x+6| \leq 10 \\
& -10 \leq 4 x+6 \leq 10 \\
& -9
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

## If $|\mathbf{N}| \leq k$ 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.


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

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If $|\mathbf{N}| \leq \mathbf{k}$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq \mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 10. }|4 x+6| \leq 10 \\
& -10 \leq 4 x+6 \leq 10 \quad-9 \\
& -6
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq \mathbf{k}$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq \mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq \mathbf{k}$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq \mathbf{k}$.

## Algebra I Class Worksheet \#3 Unit 5

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


X
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{equation*}
\text { 10. }|4 x+6| \leq 10 \tag{array}
\end{equation*}
$$

$-16 \leq 4 x \leq 4$
$-4 \leq x$
Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{equation*}
\text { 10. }|4 x+6| \leq 10 \tag{array}
\end{equation*}
$$

$-16 \leq 4 x \leq 4$
$-4 \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\begin{aligned}
& \text { 10. }|4 x+6| \leq 10 \\
&-10 \leq 4 x+6 \leq 10-9 \\
&-10-3 \\
&-16 \leq 4 x \leq 4 \\
&-4 \leq x \leq 1 \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. }
\end{aligned}
$$

Step 2: Solve for $x$. Step 3: Graph the solution set.

## If $|\mathbf{N}| \leq k$ 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.

$$
\begin{array}{rl}
\text { 10. }|4 x+6| \leq 10 & \\
-10 \leq 4 x+6 \leq 10 & -9 \\
-6 & -3 \\
-10 & 0 \\
-16 & \leq 4 x \leq 4 \\
-4 & \leq x \leq 1 \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. }
\end{array}
$$

## Step 2: Solve for $\mathbf{x}$.

Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ and $k>\mathbf{0}$, then $-k \leq \mathbf{N} \leq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$-4 \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\text { 10. }|4 x+6| \leq 10
$$

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

$-16 \leq 4 x \leq 4$
$-4 \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\text { 10. }|4 x+6| \leq 10
$$

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

$-16 \leq 4 x \leq 4$
$-4 \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \leq k$ 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.

$$
\text { 10. }|4 x+6| \leq 10
$$

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

$-16 \leq 4 x \leq 4$
$-4 \leq x \leq 1 \quad$ Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}| \leq k$ 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.
11. $|5 x+3|>22$


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


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


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


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


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
11. $|5 x+3|>22$


## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$5 x+3$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$5 x+3<$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$$
5 x+3<-22
$$



## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$5 x+3<-22$ or


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$5 x+3<-22$ or $5 x+3$


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for x . Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 11. }|5 x+3|>22
$$

$\begin{array}{rlllll}5 x+3<-22 & \text { or } 5 x+3> & -9 & -6 & -3 & 0\end{array}$
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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


Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 11. }|5 x+3|>22 \\
5 x+3<-22 \text { or } 5 x+3>22
\end{gathered}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
11. $|5 x+3|>22$
$5 \mathrm{x}+3<-22$ or $5 \mathrm{x}+3>22$
5x

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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


## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& 5 x<-25
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for x .
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

```
11. }|5x+3|>2
5x+3<-22 or 5x+3>22
    5x}<-2
    X
                                    Solving Inequalities
                                    Step 1: Analyze the problem and apply the appropriate rule.
```


## Step 2: Solve for $x$.

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

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9
\end{aligned} \quad-6 \quad 0 \quad 3 \quad 6
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& 5 x<-25 \\
& x<-5
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& 5 x<-25 \quad 5 x \\
& x<-5
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& 5 x<-25 \quad 5 x> \\
& x<-5
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad x \quad
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad x> \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x . \\
& \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \quad 6 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad x>\frac{19}{5} \quad \text { Solving Inequalities } \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x . \\
& \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } x>\frac{19}{5} \quad \text { Solving Inequalities } \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } x>\frac{19}{5} \quad \text { Solving Inequalities } \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \quad 3 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } x>\frac{19}{5} \quad \text { Solving Inequalities } \\
& \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \quad-9 \quad-6 \quad-3 \quad 0 \\
& 5 x<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } x>\frac{19}{5} \quad \text { Solving Inequalities } \\
& 5 x \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } x \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& \text { 5x }<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } \quad x>\frac{19}{5} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $\mathbf{N}>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& \text { 5x }<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } \quad x>\frac{19}{5}
\end{aligned}
$$

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& \text { 5x }<-25 \quad 5 x>19 \\
& x<-5 \quad \text { or } \quad x>\frac{19}{5} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 11. }|5 x+3|>22 \\
& 5 x+3<-22 \text { or } 5 x+3>22 \\
& \text { 5x }<-25 \quad 5 \mathrm{x}>19 \\
& x<-5 \quad \text { or } \quad x>\frac{19}{5} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

If $|\mathbf{N}|>k$ and $k>0$, then $\mathbf{N}<-k$ or $N>k$.

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
12. $|3 x-4| \geq 10$


## 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.
12. $|3 x-4| \geq 10$


## 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.
12. $|3 x-4| \geq 10$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
12. $|3 x-4| \geq 10$


## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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.
12. $|3 x-4| \geq 10$

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| -9 | -6 | -3 | 0 | 3 | 6 | 9 |

## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
12. $|3 x-4| \geq 10$

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| -9 | -6 | -3 | 0 | 3 | 6 | 9 |

## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\text { 12. }|3 x-4| \geq 10
$$

$3 x-4$

|  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| -9 | -6 | -3 | 0 | 3 | 6 | 9 |

## Solving Inequalities

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

Step 2: Solve for x . Step 3: Graph the solution set.

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

## Algebra I Class Worksheet \#3 Unit 5

Solve for x . Graph the solution sets on the number lines provided.
12. $|3 x-4| \geq 10$
$3 x-4 \leq$
$\square$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$. Step 3: Graph the solution set.

If $|\mathbf{N}| \geq k$ 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.

$$
\begin{array}{rlllllll}
\text { 12. }|3 x-4| \geq 10 & & & & & \\
3 x-4 \leq-10 \text { or } & -9 & -6 & -3 & 0 & 3 & 6 & 9
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}| \geq k$ 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.

$$
\text { 12. }|3 x-4| \geq 10
$$

$$
3 x-4 \leq-10 \text { or } 3 x-4
$$

$\square$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

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If $|\mathbf{N}| \geq k$ 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.

$$
\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq \quad-9 \\
-6
\end{gathered}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

## If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10{ }^{-9}-6
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$. Step 3: Graph the solution set.

## If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gather*}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \begin{array}{llllll}
-9 & -6 & -3 & 0 & 3 & 6 \\
9
\end{array}
\end{gather*}
$$

## Solving Inequalities

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

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10^{-9} \quad-6 \\
-3 \\
0
\end{gathered}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ 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.


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.

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10^{-9}-6 \\
& 3 x \leq
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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If $|\mathbf{N}| \geq k$ 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.

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for $\mathbf{x}$.
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If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& \begin{array}{l}
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 \\
x
\end{array}
\end{aligned}
$$

## Solving Inequalities

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

Step 2: Solve for x .
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If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10-9 \\
& 3 x \leq-6 \\
& x \leq
\end{aligned}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $\mathbf{x}$.
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If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& \begin{array}{l}
\text { 3x-4} \leq-10 \text { or } 3 x-4 \geq 10 \quad-9 \\
3 x \leq-6 \\
x \leq-2
\end{array} \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 \mathrm{x} \leq-6 \quad 3 \mathrm{x} \\
& x \leq-2 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
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\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{array}{rl}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 & \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 & 3 x \geq \\
x \leq-2
\end{array}
$$

Solving Inequalities
Step 1: Analyze the problem and apply the appropriate rule.

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& x \leq-2 \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathrm{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& x \leq-2 \quad x \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
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$$

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

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\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& \mathrm{x} \leq-2 \quad \mathrm{x} \geq \\
& \text { Solving Inequalities } \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& \begin{array}{ccccc}
3 x-4 \leq-10 & \text { or } 3 x-4 \geq 10 \quad-9 & -6 & -3 & 0 \\
3 x \leq-6 \quad 3 x & \\
x \leq-2 & x \geq \frac{14}{3} \quad \text { Solving Inequalities } \\
\text { Step 1: Analyze the problem and apply the } \\
\text { appropriate rule. } \\
\text { Step 2: Solve for } x .
\end{array} \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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

## Algebra I Class Worksheet \#3 Unit 5

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

$$
\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 \quad 3 x \geq 14 \\
x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{gathered}
$$

## Solving Inequalities

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\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 \quad 3 x \geq 14 \\
x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{gathered}
$$

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\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 \quad 3 x \geq 14 \\
x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{gathered}
$$

## Solving Inequalities

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$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10
\end{aligned}
$$

$$
\begin{aligned}
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3} \\
& \text { Step 1: Analyze the problem and apply the } \\
& \text { appropriate rule. } \\
& \text { Step 2: Solve for } \mathbf{x} \text {. } \\
& \text { Step 3: Graph the solution set. }
\end{aligned}
$$

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\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{aligned}
$$

## Solving Inequalities

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$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10
\end{aligned}
$$

$$
\begin{aligned}
& \begin{array}{ccccccc}
3 x-4 \leq-10 & \text { or } & 3 x-4 \geq 10 & -9 & -6 & -3 & 0 \\
3 x \leq-6 & & 3 x \geq 14 & & \\
x \leq-2 & \text { or } & x \geq \frac{14}{3} & \\
& & \\
\text { Solving Inequalities }
\end{array}
\end{aligned}
$$

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

Step 2: Solve for $\mathbf{x}$.
Step 3: Graph the solution set.
If $|\mathbf{N}| \geq k$ and $k>0$, then $\mathbf{N} \leq-k$ or $N \geq k$.

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\begin{gathered}
\text { 12. }|3 x-4| \geq 10 \\
3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
3 x \leq-6 \quad 3 x \geq 14 \\
x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{gathered}
$$

## Solving Inequalities

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

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\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 \mathrm{x} \leq-6 \quad 3 \mathrm{x} \geq 14 \\
& x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{aligned}
$$

## Solving Inequalities

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

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

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$$
\begin{aligned}
& \text { 12. }|3 x-4| \geq 10 \\
& 3 x-4 \leq-10 \text { or } 3 x-4 \geq 10 \\
& 3 x \leq-6 \quad 3 x \geq 14 \\
& x \leq-2 \quad \text { or } \quad x \geq \frac{14}{3}
\end{aligned}
$$

Solving Inequalities

## Good luck on your homework !!

Step 2: Solve for $x$.
Step 3: Graph the solution set.
If $|N| \geq k$ and $k>0$, then $N \leq-k$ or $N \geq k$.

