

## Solving & Graphing Inequalities

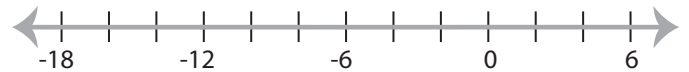
One-step: S3

Solve each problem and graph the solutions.

1)  $18 > 3x \geq 9$



2)  $x + 7 \leq 3$  and  $\frac{x}{6} > -2$



3)  $2x \geq -20$  and  $x + 8$



# PREVIEW

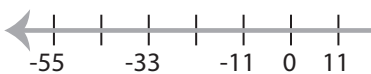
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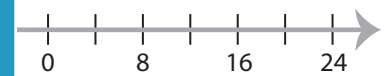
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5)  $x + 5 \leq -17$  or  $\frac{x}{4} > 1$

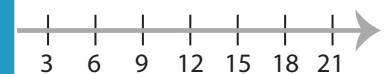


$x < 15$

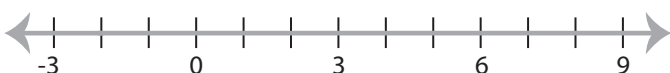


5)  $x + 5 \leq -17$  or  $\frac{x}{4} > 1$

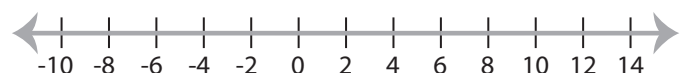
$\frac{x}{2} \leq 9$



7)  $x - 4 \geq -6$  or  $7x > 14$



8)  $2 \leq x + 10 < 16$



**Solving & Graphing Inequalities**

One-step: S3

Solve each problem and graph the solutions.

1)  $18 > 3x \geq 9$

$3 \leq x < 6$



2)  $x + 7 \leq 3$  and  $\frac{x}{6} > -2$

$-12 < x \leq -4$



3)  $2x \geq -20$  and  $x + 8 < 15$

$x > 4$

**PREVIEW**

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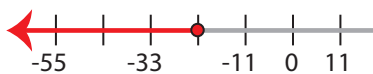
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5)  $x + 5 \leq -17$  or  $\frac{x}{4} > 1$

$x \leq -22$  or  $x > 44$



7)  $x - 4 \geq -6$  or  $7x > 14$

$x \geq -2$



8)  $2 \leq x + 10 < 16$

$-8 \leq x < 6$

