

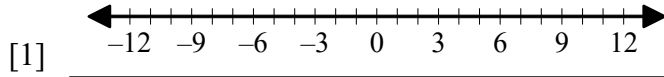
Algebra I Practice A.REI.B.3: Solving Linear Inequalities 2

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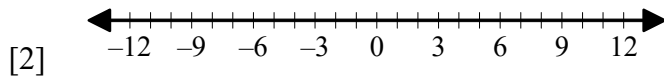
NAME: _____

Graph:

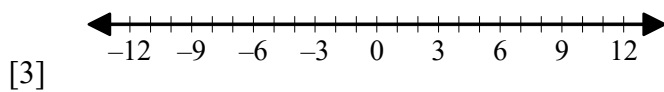
1. $x - 8 < -11$



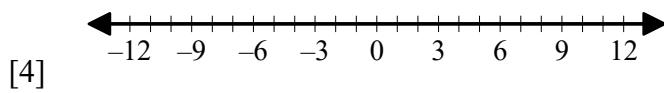
2. $x + 2 < 8$



3. Solve and graph the solution: $x + 9 \geq 14$

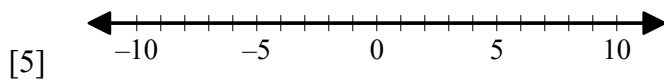


4. Solve and graph the solution: $x + 4 < 11$

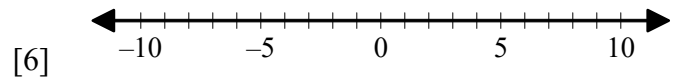


Graph:

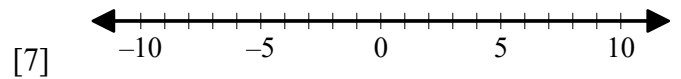
5. $x + 3 \leq 6$ and $-10x < 30$



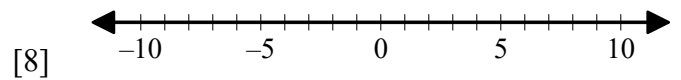
6. $x + 5 \leq 7$ and $-6x < 24$



7. $x + 5 \leq 6$ and $-6x < 24$



8. $x + 3 \leq 4$ and $-5x < 10$



9. Solve: $3x \geq 27$

[A] $x \geq 9$

[B] $x \leq 9$

[C] $x \geq 24$

[D] none of these

[9] _____

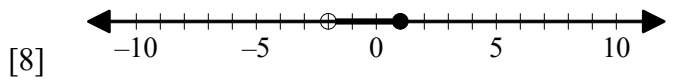
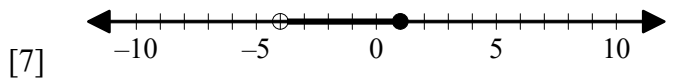
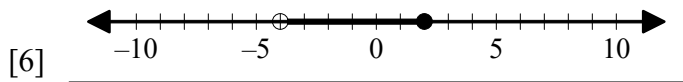
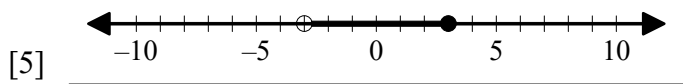
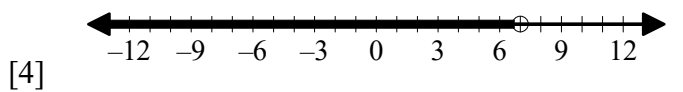
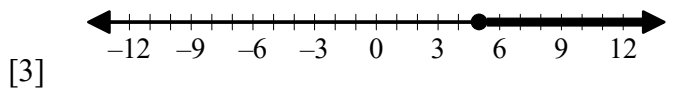
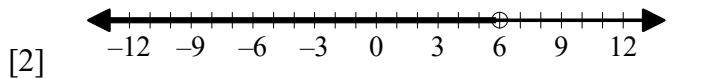
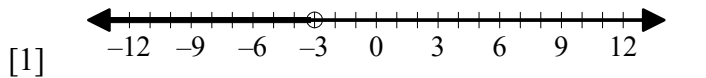
10. Use a calculator to solve and check the inequality.

$-1.6(x + 2) \leq 9.8$

[10] _____

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[9] A _____

[10] $x \geq -8.125$ _____