

LESSON
12-4

Practice B
Inequalities

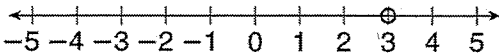
Choose an inequality for each situation.

$x > 10$	$x \geq 10$	$x < 10$	$x \leq 10$
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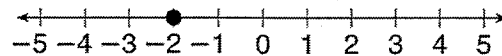
1. The temperature today will be at least 10 °F. _____
2. The temperature tomorrow will be no more than 10 °F. _____
3. Yesterday, there was less than 10 inches of snow. _____
4. Last Wednesday, there was more than 10 inches of snow. _____

Complete the graph for each inequality.

5. $a > 3$



6. $r \leq -2$



Graph each inequality.

7. $w \geq 0$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

8. $b \leq -4$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

9. $j > 5$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

Write an inequality for each situation.

10. The temperature today will be at most 50 °F. _____
11. The temperature tomorrow will be above 70 °F. _____
12. Yesterday, there was less than 2 inches of rain. _____
13. Last Monday, there was at least 3 inches of rain. _____

Graph each inequality.

14. $t \leq -2$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

15. $j > -5$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

16. $y \leq 0$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.

17. $b < \frac{1}{2}$

A horizontal number line with 11 tick marks, no numerical labels, and arrows at both ends.