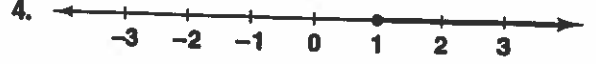
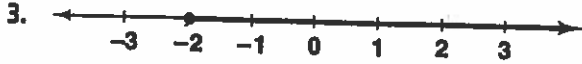
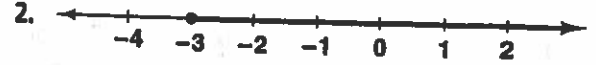
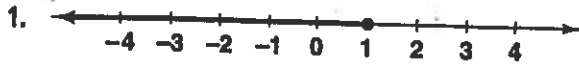


Practice 6-5

Solving Inequalities by Adding or Subtracting

Write an inequality for each graph.



Graph each inequality on a number line.

5. $x \geq -6$



6. $x < -5$



7. $x \leq 0$

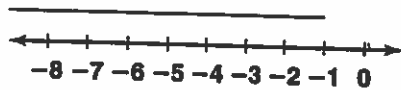


8. $x \leq 7$

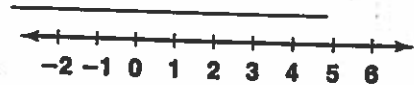


Solve each inequality. Graph the solutions.

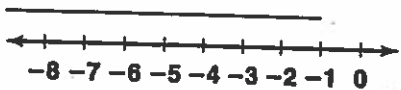
9. $m + 6 > 2$



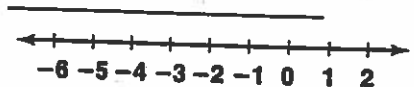
10. $q + 4 \leq 9$



11. $w - 6 > -9$



12. $y - 3 < -4$



Write and solve an inequality to answer each question.

13. The amount of snow on the ground increased by 8 in. between 7 P.M. and 10 P.M. By 10 P.M., there was less than 2 ft of snow. How much snow was there by 7 P.M.?

14. The school record for points scored in a basketball season by one player is 462. Maria has 235 points so far this season. How many more points does she need to break the record?

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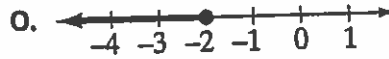
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Puzzle 6-5

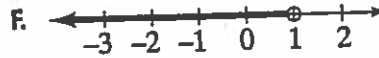
Solving Inequalities by Adding or Subtracting

Isolate the variable. Match the inequality with its graph.

1. $t + 1 \geq 4$



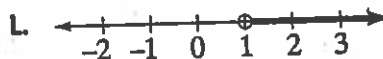
2. $n - 3 > -2$



3. $t + 4 < -1$



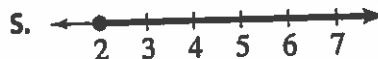
4. $r - 2 \leq -4$



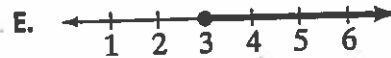
5. $m - 1 > 3$



6. $t - 1 < 0$



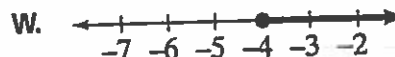
7. $w + 6 \geq 2$



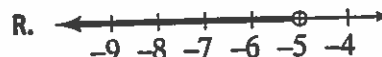
8. $m - 2 \geq 0$



9. $n + 4 \leq -1$



10. $t + 1 \leq 4$



North Dakota grows more 9 10 5 6 2 4 7 1 3 8 than any other state.