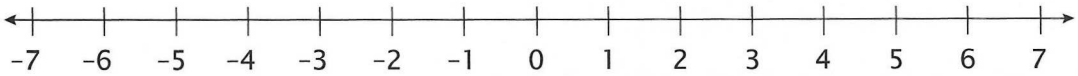
Follow the directions for each inequality.

$|x - 3| \geq 3$

1. Solve as an equality.

2. Graph the points. Use a darkened circle because this is an equality and an inequality.



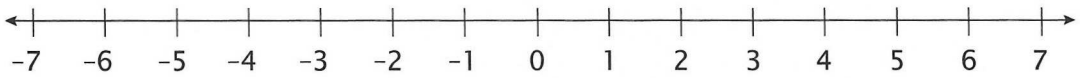
3. Choose a test point from each region, and see whether it works in the inequality.

4. Darken the line to show all solutions of the inequality.

$|4x + 9| + 1 > 4$

5. Solve as an equality.

6. Graph the points. Use an open circle because this is an inequality only.



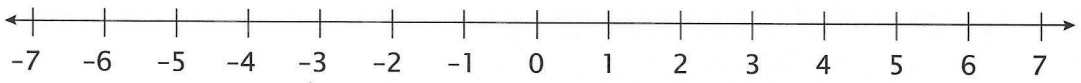
7. Choose a test point from each region, and see whether it works in the inequality.

8. Darken the line to show all solutions of the inequality.

$\sqrt{x+5} \leq 2$

9. Solve by raising both sides to the same power.

10. Graph the inequality.



11. Check by choosing numbers from both sides.

Examine each inequality. If all solutions will work write "all." If there are no solutions, write "none." If there are only some possible solutions, write "some."

12. $|x+9| \leq 5$

13. $|x-2| - 4 \geq -4$

14. $|3x+8| - 6 < -10$