Algebra 1   **Name** _____
Section 2.5/2.6 Review

Write a compound inequality represented by the graph.

1.

2.
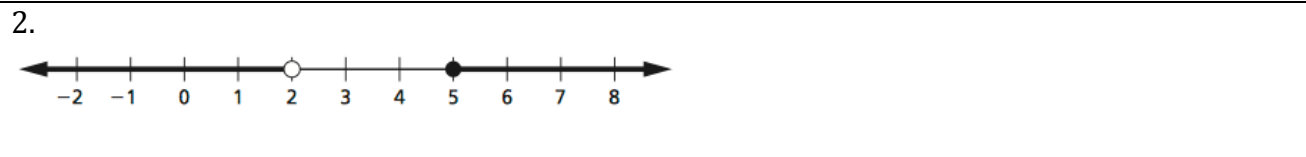
Write the sentence as an inequality.

3. A number t is less than 5 and greater than 3.
4. A number m is less than −3 or greater than or equal to 1.
5. You are purchasing a new refrigerator. To fit in the space, the width of the refrigerator cannot be more than 42 inches. To meet your storage requirements, the width of the refrigerator must be at least 36 inches. Write a compound inequality that represents this range.

Solve the compound inequality. Graph the solution on a number line.

6. $3 < x + 4 < 11$	7. $15 \geq -5x \geq -25$
8. $h + 7 < 5 \ or \ -9h \leq -45$	9. $-11 > m + 4 \ or \ 2m \geq -16$

Solve the absolute value inequality. Graph the solution on a number line.

10. $|k + 8| > 2$	11. $|y - 4| \leq 8$
12. $|3x - 8| \leq -2$	13. $|3c + 4| > 7$
14. $|y - 2| - 11 > 0$	15. $5|r - 7| < 15$

16. The players on a basketball team decided that they wanted to score 750 points by the end of the season. The coach promised pizzas if the team scored within 50 points of its goal. Solve the inequality $|x - 750| \leq 50$, which represents the total possible number of points the team could score to earn pizzas.