Module: Solving Linear Inequalities   Name:
Lesson: Solving Compound Inequalities   Date:
                                                   Period:
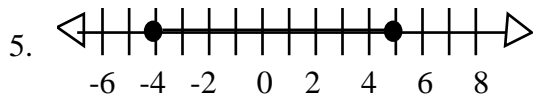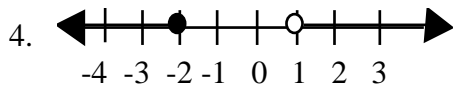
Graph the solution set of each compound inequality.

1. $p < -8$ and $p > 4$

2. $n \leq -5$ or $n \geq -1$

3. $x < -7$ or $x \geq 0$

Write a compound inequality for each solution set shown below.

4.

-4 -3 -2 -1   0   1   2   3

5.

-6   -4   -2   0   2   4   6   8

Solve each compound inequality. Then graph the solution set.

6. $x - 4 < 1$ and $x + 2 > 1$

7. $x + 4 < 2$ or $x - 2 > 1$

8. $6 - c > c$ or $3c - 1 < c + 13$

9. $14 < 3h + 2 < 2$

10. $3y + 1 > 10$ and $y \neq 6$