NAME

Module 5 Solving Linear Inequalities of One Variable

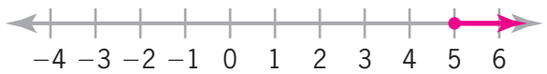
Lesson 5 Solving Conjunction Inequalities

guided practice

Set 1

1. Solve and graph: $x \geq 3$ and $x \geq 5$

x ≥ 5



2. Solve and graph: $x \leq 0$ and $x > 4$

The conjunction has no solution.

3. Solve and graph: $x < 7$ and $x < 3$

x < 3

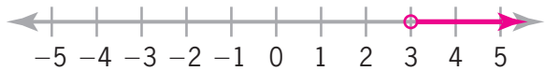
4. Solve and graph: $x \leq 6$ and $x \geq -6$

–6 ≤ x ≤ 6

Set 2

1. Solve and graph: $3x - 4 > 5$ and $-2x + 6 \leq 8$

x > 3



2. Solve and graph: $5 \leq x + 2 \leq 10$

3 ≤ x ≤ 8

3. Solve and graph: $5 \leq -2x + 1 < 9$

–4 < x ≤ –2

4. Solve and graph: $5 - 2x > 21$ and $\frac{1}{2}x + 3 > 5$

The conjunction has no solution.