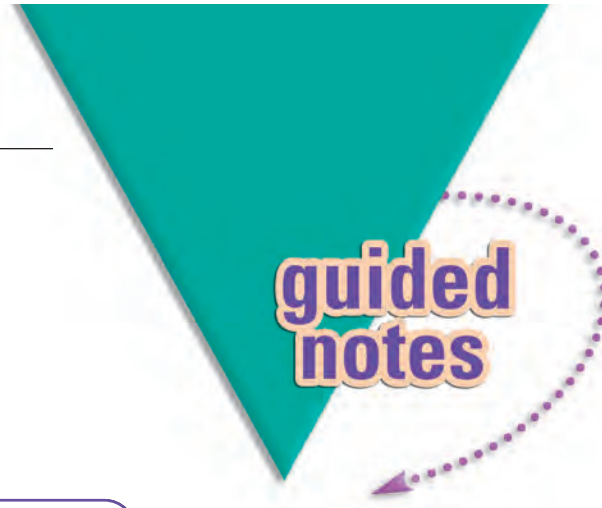


NAME _____

Module 5 Solving Linear Inequalities of
One Variable
Lesson 6 Solving Disjunction Inequalities



guided
notes

Lesson Objective

- Solve and graph the solution sets to disjunctions.

A compound inequality consists of two inequalities joined by the words **and** _____ or **or** _____.

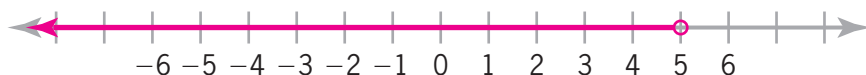
A **conjunction** _____ consists of two statements joined by the word “and.”

A **disjunction** _____ consists of two statements joined by the word “or.”

A disjunction is true when **either or both statements** _____ are true.

The symbol for “all real numbers” is \mathfrak{R} _____.

1 Solve and graph. $x < 5$ or $x < 3$ **$x < 5$** _____



2 Solve and graph. $x > 5$ or $x < 5$ **$x \neq 5$** _____



3 Solve and graph. $x \geq 4$ or $x \leq 0$ **$x \geq 4$ or $x \leq 0$** _____



4 Solve and graph. $x + 6 \leq 2$ or $4x \leq -8$ **$x \leq -2$** _____



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