

6.1

Solving Inequalities by Addition and Subtraction

Inverse Operations

- Addition and subtraction
- multiplication and division
- Inverse operations undo each other

Ex. 1 Solve by adding

- A filled dot includes the number
- A empty circle excludes the number

Set builder notation

- The set $\{x : x > 0\}$ is read aloud, "the set of all x such that x is greater than 0."

Ex. 2-Subtraction

Ex. 4-Variable on both sides

**Ex. 6- Inequalities solve
a problem**

Check for Understanding

- Due this period
- Ask Questions

HW- Practice and Apply

- Odds through 57
- Answers in the back
- Must show work to get credit
- We will work on these problems in class tomorrow