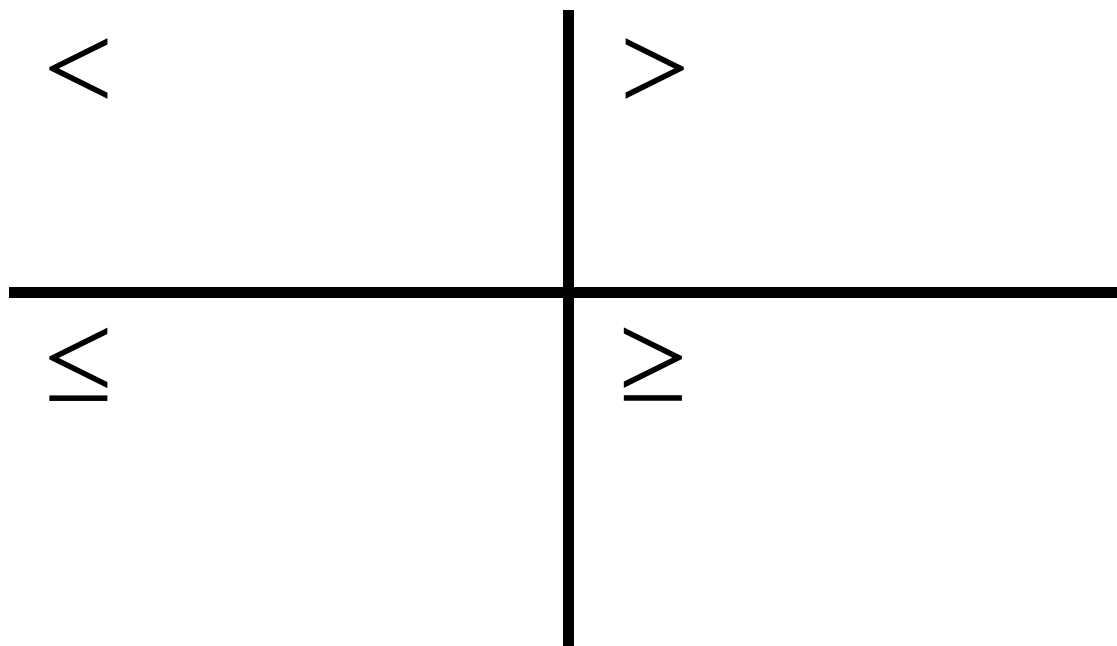


# 10.3

## Solving Problems with Inequalities

### Solving Problems with Inequalities

#### Translating Inequalities



## Practice

- a) Choose a variable to represent the number indicated in blue.
  - b) Use the variable to write an inequality
- 
- 1) In a marathon, Peter ran 15 more kilometers than half **the number Juan ran**. Peter ran at most 36 kilometers.
  
  - 2) The cost of Rhoda to operate her car for one month was at least \$190. The cost for gas and repairs was half **the amount of the monthly payment on the car loan**.

## Practice

- a) Choose a variable to represent the number indicated in blue.
  - b) Use the variable to write an inequality
- 
- 3) At a school cafeteria, a student paid \$1.25 for a whole-wheat muffin and a glass of milk. The milk cost less than two thirds **the cost of the muffin**.
  
  - 4) The sum of three consecutive even integers is no more than 100 less than one eighth of **the smaller integer**.