Now

In Chapter 6, you will apply the big ideas listed below and reviewed in the Chapter Summary on page 414. You will also use the key vocabulary listed below.

Big Ideas

- Applying properties of inequality
- ② Using statements with and or or
- Graphing inequalities

KEY VOCABULARY

- graph of an inequality, p. 356
- equivalent inequalities, p. 357
- compound inequality, p. 380
- absolute value equation, p. 390
- absolute deviation, p. 392
- linear inequality in two variables, p. 405
- graph of an inequality in two variables, p. 405

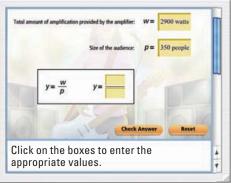
Why?

You can use inequalities to solve problems in sound amplification. For example, you can solve an inequality to determine whether an amplifier provides enough amplification for a given number of people in an audience.

Animated Algebra

The animation illustrated below for Exercise 45 on page 387 helps you answer this question: Is a 2900 watt amplifier adequate for an audience of 350 people?





Animated Algebra at classzone.com

Other animations for Chapter 6: pages 358, 364, 382, 390, 391, 399, and 407