

Chapter 3 - Solving Linear Equations

Chapter Goals

Chapter 3 begins by examining techniques for solving linear equations in one variable. Later in the chapter, we will study formulas and learn to solve formulas for a specified variable. We will then apply this skill to write equations in function form. This chapter stresses the use of equations (including equations that involve ratios, rates, and percents) to model and solve real-world problems.

Application Note

Why do you think the bald eagle was chosen as a national symbol?

A bald eagle is featured on the Great Seal of the United States. The bald eagle is considered a symbol of power, strength, grace, and freedom. These birds, found only in North America, can fly up to 30 miles per hour and dive at speeds up to 100 miles per hour.

To solve problems involving flying rates of bald eagles, we can use equations containing variables for distance, rate, and time. In Chapter 3 we will use linear equations to describe many real-world situations.

Homework Help

You can find extra examples at www.mcdougallittell.com that parallel the examples in this chapter.