**EXAMPLE 1** Solve Multi-Step Equations

Solve each equation.

a. \(11x - 4 = 29\)  

b. \(\frac{a + 7}{8} = 5\)

**Check Your Progress**

\(2a - 6 = 4\)  
\(\frac{n + 1}{-2} = 15\)

**EXAMPLE 2** Write and Solve a Multi-Step Equation

**SHOPPING** Hiroshi is buying a pair of water skis that are on sale for \(\frac{2}{3}\) of the original price. After he uses a $25 gift certificate, the total cost before taxes is $115. What was the original price of the skis? Write an equation for the problem. Then solve the equation.

**EXAMPLE 3** Solve a Consecutive Integer Problem

**NUMBER THEORY** Write an equation for the following problem. Then solve the equation and answer the problem.

*Find three consecutive odd integers with a sum of \(-51\).*