

# 7.2

## **Solving Equations Using Addition or Subtraction**

**Example 3**

$$***x + 9 = 14***$$

## Example 4

$$x - 7 = 6$$

## Example 5

$$x - 12 = 51$$

## Example 6

$$x + 9 = 28$$

## Example 7

$$x - 8 = 38$$

## Example 8

$$3 = x - 4$$

# **Solving Adding and Subtraction with Integers**

1)  $x - 9 = 12$

3)  $x + 9 = 44$

2)  $x + 13 = 87$

4)  $x - 17 = 35$

# **Solving Adding and Subtraction with Integers**

5)  $26 = x - 15$

6)  $38 = x + 9$

## Practice

**Tell whether the given value is a solution of the equation.**

**a.**  $p + 10 = 38$ ;  $p = 18$

**b.**  $4y = 56$ ;  $y = 14$

# Real-Life Application



Your parents give you \$20 to help buy the new pair of shoes shown. After you buy the shoes, you have \$5.50 left. Write and solve an equation to find how much money you had before your parents gave you \$20.

**Words**

The starting amount plus the amount your parents gave you minus the cost of the shoes is the amount left.

**Variable**

Let  $s$  be the starting amount.

# Classwork

1) $m + 19 = 37$	2) $r - 17 = 46$	2) $15 + b = 23$
4) $27 = d - 19$	5) $q - 8 = 43$	6) $u - 8.4 = 12.1$
7) $e + 5.5 = 17.3$	8) $1.2 = z - 2.5$	9) $j - \frac{1}{2} = \frac{3}{4}$