**21.** Two times a number added to another number is 25. Three times the first number minus the other number is 20. Find the numbers.

**6-3**

**Skills Practice**

***Elimination Using Addition and Subtraction***

*Glencoe Algebra 1*

Chapter 6

**20**

**20.** Find the two numbers whose sum is 54 and whose difference is 4.

**19.** The sum of two numbers is 24 and their difference is 2. What are the numbers?

**18.** Find the two numbers whose sum is 29 and whose difference is 15.

**17.** The sum of two numbers is 28 and their difference is 4. What are the numbers?

**16.** 2*x* – 5*y* = –28

4*x* + 5*y* = 4

**15.** 7*x* + 4*y* = 2

7*x* + 2*y* = 8

**14.** 3*x* + 2*y* = –19

–3*x* – 5*y* = 25

**13.** 6*x* – 2*y* = 32

4*x* – 2*y* = 18

**12.** 5*x* – *y* = –6

–*x* + *y* = 2

**11.** 3*x* – *y* = 26

–2*x* – *y* = –24

**10.** *x* – *y* = 4

2*x* + *y* = –4

**9.** 2*x* – 3*y* = 9

–5*x* – 3*y* = 30

**8.** 3*x* – *y* = –1

–3*x* – *y* = 5

**7.** 3*x* + 4*y* = 2

4*x* – 4*y* = 12

**6.** *x* + 4*y* = –8

*x* – 4*y* = –8

**5.** 3*x* + 4*y* = 19

3*x* + 6*y* = 33

**4.** –*x* + 3*y* = 6

*x* + 3*y* = 18

**3.** *x* + 4*y* = 11

*x* – 6*y* = 11

**2.** –*x* + *y* = 1

*x* + *y* = 11

**1.** *x* – *y* = 1

*x* + *y* = 3

**Use elimination to solve each system of equations.**

NAME DATE PERIOD



