

## 3-2

**Skills Practice*****Solving Equations by Using Addition and Subtraction***

Solve each equation. Then check your solution.

1.  $y - 7 = 8$

2.  $w + 14 = -8$

3.  $p - 4 = 6$

4.  $-13 = 5 + x$

5.  $98 = b + 34$

6.  $y - 32 = -1$

7.  $s + (-28) = 0$

8.  $y + (-10) = 6$

9.  $-1 = s + (-19)$

10.  $j - (-17) = 36$

11.  $14 = d + (-10)$

12.  $u + (-5) = -15$

13.  $11 = -16 + y$

14.  $c - (-3) = 100$

15.  $47 = w - (-8)$

16.  $x - (-74) = -22$

17.  $4 - (-h) = 68$

18.  $-56 = 20 - (-e)$

**Write an equation for each problem. Then solve the equation and check your solution.**

19. A number decreased by 14 is  $-46$ . Find the number.

20. Thirteen subtracted from a number is  $-5$ . Find the number.

21. The sum of a number and 67 is equal to  $-34$ . Find the number.

22. What number minus 28 equals  $-2$ ?

23. A number plus  $-73$  is equal to 27. What is the number?

24. A number plus  $-17$  equals  $-1$ . Find the number.

25. What number less 5 is equal to  $-39$ ?