

LESSON
9-8 **Practice C**
Solving Integer Equations

Solve each equation.

1. $-72 \div x = -4$

2. $29 + x = -32$

3. $-6x = -78$

4. $-12 - x = -8$

5. $x + (-38) = 50$

6. $\frac{x}{9} = -15$

7. $-3 + x - (-2) = 10$

8. $(x - 12) \div 4 = -8$

9. $-x = 83$

10. $-102 \div x = -6$

11. $13 + x = \frac{-8}{2}$

12. $(59 - 24)x = 0$

13. $\frac{-55}{x} = -6 + 17$

14. $2x - x = -6$

15. $x^2 = 4$

Use each set of integers and the given value of the variable to write an equation with a variable.

16. $-15, -3, x = 5$

17. $-7, -3, x = -4$

18. $24, -8, x = -3$

19. $-2, 9, x = 11$

20. $48, -6, x = -8$

21. $-1, 7, -18, x = -3$

22. Describe the two steps needed to solve the following equation:
 $-20 - x = -9$.

23. Explain why the following equation has no solution: $x^2 = -9$.
