Skills

● **Lesson 1-1** Evaluate each expression for $n = 2$, $m = 3$, and $t = 5$.

1. $3t - 4n$
2. $13 - (m + n)$
3. $\frac{m + t}{n}$
4. $4.7 + mt$

● **Lesson 1-2** Compare. Write $<$, $=$, or $>$.

5. $-7 \ \blacksquare \ 7$
6. $32 \ \blacksquare \ |-32|$
7. $|-9| \ \blacksquare \ -3$
8. $|-8| \ \blacksquare \ |-6|$

● **Lessons 1-3 and 1-4** Simplify each expression.

9. $-6 + 4$
10. $-4 + (-5)$
11. $-2 - 6$
12. $-8 - (-5)$

13. $15 - (-8)$
14. $99 + (-101)$
15. $-3 \cdot 4$
16. $-15 \cdot (-5)$

17. $2 \cdot (-7) \cdot 5$
18. $\frac{-12}{6}$
19. $\frac{-80}{-16}$
20. $\frac{16}{-8}$

● **Lesson 1-5** Identify each property.

21. $2(11) + 2(4) = 2(11 + 4)$
22. $(3 + 4) + 5 = 3 + (4 + 5)$

23. $2n + p = p + 2n$
24. $(3 + m)(-7) = -21 - 7m$

25. $(12 \cdot 5) \cdot 100 = 12 \cdot (5 \cdot 100)$
26. $c + 0 = c$

● **Lessons 1-6 and 1-7** Solve each equation.

27. $x - 6 = -15$
28. $-12 = m + 8$

29. $1.5 = m - 3.2$
30. $x + 10 = 10$

31. $\frac{b}{7} = 9$
32. $-3w = 360$

33. $144 = 6k$
34. $20 = \frac{h}{-10}$

Word Problems

● **Lesson 1-1**

35. The depth of Lake Huron is 855 ft less than the depth of Lake Chelan. Lake Chelan is 1,605 ft deep. How deep is Lake Huron?

36. **Sales** A store sells one model of bicycle for $250. If you buy more than one bicycle, the store will take $10 off the price of the first bicycle, $20 off the price of the second, $30 off the price of the third, and so on. If you buy 5 bicycles, how much will you pay?