

1-5**Study Guide and Intervention**

7NS1.2

Subtracting Integers

To subtract an integer, add its opposite or additive inverse.

Example 1 Find $8 - 15$.

$$\begin{array}{ll} 8 - 15 = 8 + (-15) & \text{To subtract 15, add } -15. \\ = -7 & \text{Add.} \end{array}$$

Example 2 Find $13 - (-22)$.

$$\begin{array}{ll} 13 - (-22) = 13 + 22 & \text{To subtract } -22, \text{ add } 22. \\ = 35 & \text{Add.} \end{array}$$

Exercises**Subtract.**

1. $-3 - 4$

2. $5 - (-2)$

3. $-10 - 8$

4. $-15 - (-12)$

5. $-23 - (-28)$

6. $16 - 9$

7. $9 - 16$

8. $-21 - 16$

9. $28 - 37$

10. $-34 - (-46)$

11. $65 - (-6)$

12. $19 - |29|$

Evaluate each expression if $a = -7$, $b = -3$, and $c = 5$.

13. $a - 8$

14. $20 - b$

15. $a - c$

16. $c - b$

17. $b - a - c$

18. $c - b - a$