Lesson 3 Reteach

Subtract Integers

To subtract an integer, add its opposite.

Example 1

Find 6 – 9.

$6 - 9 = 6 + (-9)$ To subtract 9, add –9.

$\quad\quad = -3$ Simplify.

Example 2

Find –10 – (–12).

$-10 - (-12) = -10 + 12$ To subtract –12, add 12.

$\quad\quad\quad\quad = 2$ Simplify.

Example 3

Evaluate $a - b$ if $a = -3$ and $b = 7$.

$a - b = -3 - 7$ Replace a with –3 and b with 7.

$\quad\quad = -3 + (-7)$ To subtract 7, add –7.

$\quad\quad = -10$ Simplify.

Exercises

Subtract.

1. $7 - 9$

2. $20 - (-6)$

3. $-10 - 4$

4. $0 - 12$

5. $-7 - 8$

6. $13 - 18$

7. $-20 - (-5)$

8. $-8 - (-6)$

9. $25 - (-14)$

10. $-75 - 50$

11. $15 - 65$

12. $19 - (-10)$

Evaluate each expression if $m = -2$, $n = 10$, and $p = 5$.

13. $m - 6$

14. $9 - n$

15. $p - (-8)$

16. $p - m$

17. $m - n$

18. $-25 - p$