

SKILL

**Skills Readiness****51 Add and Subtract Integers**

Adding Integers		Subtracting Integers
Same Signs	Opposite Signs	
Step 1: Ignore the signs. Step 2: Add the two numbers. Step 3: Add the sign of the larger number to the answer.	Step 1: Ignore the signs. Step 2: Subtract the smaller number from the larger number. Step 3: Add the sign of the larger number to the answer.	Instead of subtracting, add the opposite of the second number and then use the rules for adding integers.
Example 1: Add $-3 + (-9)$ . $3 + 9 = 12$ Since both numbers are negative, the answer is also negative. $-3 + (-9) = -12$	Example 2: Add $7 + (-12)$ . $12 - 7 = 5$ Since the larger number is negative ( $12 > 7$ ), the answer is also negative. $7 + (-12) = -5$	Example 3: Subtract $6 - (-3)$ . The opposite of $-3$ is 3. $6 + 3 = 9$

**Practice on Your Own**

Perform each indicated operation.

1.  $-11 + 16$

\_\_\_\_\_

2.  $-22 + 18$

\_\_\_\_\_

3.  $15 - (-10)$

\_\_\_\_\_

4.  $-3 - 14$

\_\_\_\_\_

5.  $20 + (-9)$

\_\_\_\_\_

6.  $-6 + (-5)$

\_\_\_\_\_

7.  $6 - (-13)$

\_\_\_\_\_

8.  $8 - 14$

\_\_\_\_\_

9.  $-100 + 95$

\_\_\_\_\_

10.  $-7 + (-10)$

\_\_\_\_\_

11.  $-10 - (-10)$

\_\_\_\_\_

12.  $-25 - (-40)$

\_\_\_\_\_

**Check**

Perform each indicated operation.

13.  $-2 + 8$

\_\_\_\_\_

14.  $10 - 18$

\_\_\_\_\_

15.  $14 + (-21)$

\_\_\_\_\_

16.  $7 - (-3)$

\_\_\_\_\_

17.  $40 + (-35)$

\_\_\_\_\_

18.  $-17 - 4$

\_\_\_\_\_

19.  $-12 + 12$

\_\_\_\_\_

20.  $18 - (-13)$

\_\_\_\_\_