9 – 17 = 9 + (–17)

 = –8

**Study Guide and Intervention**

***Subtracting Integers***

To subtract an integer, add its additive inverse.

Subtracting

Integers

**Lesson 2-3**

*Glencoe Pre-Algebra*

Chapter 2

**17**

**24.** 29 – (–6)

**23.** –15 – (–25)

**22.** –45 – (–26)

**21.** 26 – 49

**20.** 18 – (–9)

**19.** –24 – 8

**18.** 17 – (–9)

**17.** 24 – (–16)

**16.** 13 – (–17)

**15.** –10 – (–6)

**14.** 8 – (–6)

**13.** –14 – 4

**12.** –16 – (–20)

**11.** –6 – 4

**10.** –6 – (–9)

**9.** –11 – (–2)

**8.** 9 – (–9)

**7.** 7 – (–4)

**6.** –13 – 17

**5.** –8 – 9

**4.** –5 – 3

**3.** 12 – 21

**2.** 7 – 19

**1.** 9 – 16

**Exercises**

**Find each difference.**

To subtract –2, add +2.

Simplify.

To subtract –5, add +5.

Simplify.

–6 – (–2)

–6 – (–2) = –6 + 2

 = –4

**b.**

**Find each difference.**

**Example 2**

**a. 4 – (–5)**

 4 – (–5) = 4 + 5

 = 9

To subtract 17, add –17.

Simplify.

To subtract 3, add –3.

Simplify.

–7 – 3

–7 – 3 = –7 + (–3)

 = –10

**b.**

**Find each difference.**

**Example 1**

**a. 9 – 17**

**2-3**

NAME DATE PERIOD









**Study Guide and Intervention**

***Subtracting Integers***

**Evaluate each expression if *a* = 11, *b* = –1, and *c* = –8.**

**ALGEBRA**

*Glencoe Pre-Algebra*

Chapter 2

**18**

**24.** *c* + *b* – *a*

**23.** *b* – (–*a*) – *c*

**22.** *c* – *a* + *b*

**21.** *b* – *c* – *a*

**20.** *a* + *b* – *c*

**19.** *a* – *b* – *c*

**18.** *b* – *a*

**17.** *c* – *a*

**16.** *b* – *c*

**15.** *c* – *b*

**14.** *a* – *c*

**13.** *a* – *b*

**12.** *c* – (–12)

**11.** 6 – *b*

**10.** *a* – (–7)

**9.** *b* – (–1)

**8.** 3 – *a*

**7.** –5 – *c*

**6.** –19 – *b*

**5.** *c* – 8

**4.** 33 – *a*

**3.** 12 – *c*

**2.** *b* – 5

**1.** *a* – 14

**Exercises**

Add 5 and 3.

To subtract –3, add its additive inverse, 3.

Use order of operations.

Replace *a* with 7, *b* with 2, and *c* with –3.

*a* – *b* – *c* = 7 – 2 – (–3)

= 5 – (–3)

= 5 + 3

= 8

**b. *a* – *b* – *c* if *a* = 7, *b* = 2, and *c* = –3.**

Add 6 and –16.

To subtract 16, add its additive inverse, –16.

Write the expression. Replace *x* with 6.

**a. *x* – 16 if *x* = 6.**

 *x* – 16 = 6 – 16

 = 6 + (–16)

 = –10

Evaluate each expression.

**Example**

**Evaluate Expressions** Use the rule for subtracting integers to evaluate expressions.

*(continued)*

**2-3**

NAME DATE PERIOD





