

Chapter 2 Study Guide

PREVIEW

What's the chapter about?

- Adding, subtracting, multiplying, and dividing real numbers

KEY WORDS

- real number, p. 65
- integer, p. 65
- opposite, p. 71
- absolute value, p. 71
- closure property, p. 78
- term, p. 87
- distributive property, p. 100
- coefficient, p. 107
- like terms, p. 107
- reciprocal, p. 113

PREPARE

Chapter Readiness Quiz

Take this quick quiz. If you are unsure of an answer, look back at the reference pages for help.

VOCABULARY CHECK (refer to pp. 3, 24)

1. Identify the variable in the expression $-2r^3 - 8$.

(A) -2 (B) r (C) 3 (D) -8

2. Complete: A(n) ? is a statement formed by placing an equal sign between two expressions.

(A) equation (B) solution (C) inequality (D) function

SKILL CHECK (refer to pp. 763, 765, 770)

3. Write the numbers $2\frac{5}{6}$, $2\frac{2}{3}$, $\frac{11}{4}$, $2\frac{5}{8}$, and $\frac{25}{11}$ in order from least to greatest.

(A) $\frac{11}{4}$, $\frac{25}{11}$, $2\frac{2}{3}$, $2\frac{5}{6}$, $2\frac{5}{8}$ (B) $2\frac{2}{3}$, $\frac{11}{4}$, $2\frac{5}{6}$, $2\frac{5}{8}$, $\frac{25}{11}$

(C) $2\frac{2}{3}$, $2\frac{5}{6}$, $2\frac{5}{8}$, $\frac{11}{4}$, $\frac{25}{11}$ (D) $\frac{25}{11}$, $2\frac{5}{8}$, $2\frac{2}{3}$, $\frac{11}{4}$, $2\frac{5}{6}$

4. Write the quotient $9\frac{1}{6} \div 1\frac{3}{8}$ as a mixed number.

(A) $\frac{48}{605}$ (B) $\frac{3}{20}$ (C) $6\frac{2}{3}$ (D) $12\frac{29}{48}$

STUDY TIP

Study a Lesson

Take notes. Add to your list of vocabulary words, rules, and properties in your notebook.

Lesson 2.3

Commutative Property of Addition

$$a + b = b + a \quad -4 + 6 = 6 + (-4)$$

Associative Property of Addition

$$(a + b) + c = a + (b + c)$$

$$(-8 + 5) + 3 = -8 + (5 + 3)$$