

CHAPTER 2
--------------

# Cumulative Review

*continued*

*For use after Chapter 2*

For the given value of  $x$ , find  $-x$  and  $|x|$ . (Lesson 2.1)

21.  $x = -21$

22.  $x = -0.75$

23.  $x = \frac{2}{7}$

Find the sum, difference, product, or quotient. (Lessons 2.2, 2.3, 2.4, 2.6)

24.  $-8 + (-7)$

25.  $1.3 + (-2.7)$

26.  $11 - 15$

27.  $-3.8 - 7.3$

28.  $0.4 - (-0.8)$

29.  $-\frac{7}{16} - \left(-\frac{3}{8}\right)$

30.  $-6(11)$

31.  $12\left(-\frac{1}{2}\right)$

32.  $(-35)\left(-\frac{1}{5}\right)$

33.  $-42 + (-7)$

34.  $-18 \div \frac{2}{3}$

35.  $\frac{9}{28} \div \left(-\frac{3}{4}\right)$

Identify the property being illustrated. (Lesson 2.2, 2.4)

36.  $5.7 + (-5.7) = 0$

37.  $[7 + (-9)] + (-3) = 7 + [(-9) + (-3)]$

38.  $-7 \cdot 1 = -7$

39.  $-8 \cdot 9 = 9 \cdot (-8)$

Simplify the expression. (Lesson 2.5, 2.6)

40.  $-6(x + 9)$

41.  $(y - 11)(-3y)$

42.  $\frac{9(z-6)}{2}$

43.  $8x + 3(5x - 4)$

44.  $\frac{1}{4}(12y - 2) + 9y$

45.  $\frac{-21z + 7}{7}$

Find the mean of the numbers. (Lesson 2.6)

46. 15, -7, -11

47. 12, -8, 9, -5

Rewrite the conditional statement in if-then form. Then tell whether the statement is *true* or *false*. If the statement is false, give a counterexample. (Lesson 2.7)

48. All irrational numbers are real numbers.

49. All integers are whole numbers.

Evaluate the expression. (Lesson 2.7)

50.  $-\sqrt{144}$

51.  $\pm\sqrt{36}$

52.  $\sqrt{16}$

53.  $-\sqrt{361}$