

Name \_\_\_\_\_

**Perform the indicated subtraction.**

1)  $17 - 12$

2)  $10 - 16$

3)  $10 - (-4)$

4)  $10 - (-3)$

5)  $11 - (-4)$

6)  $11 - (-3)$

7)  $6 - (-22)$

8)  $10 - (-29)$

9)  $66 - (-18)$

10)  $-10 - (-21)$

11)  $-13 - (-13)$

12)  $7 - 7$

13)  $9 - 9$

14)  $7 - (-7)$

15)  $9 - (-9)$

16)  $13 - (-13)$

17)  $0 - 6$

$18) 0 - 12$

$27) \frac{1}{9} - \left(-\frac{1}{9}\right)$

$19) 0 - 5$

$28) \frac{4}{9} - \left(-\frac{2}{9}\right)$

$20) 0 - (-12)$

$29) -\frac{4}{5} - \frac{7}{10}$

$21) 0 - (-10)$

$30) -\frac{3}{4} - \frac{5}{8}$

$22) 0 - (-13)$

$31) -\frac{2}{3} - \frac{1}{2}$

$23) \frac{4}{11} - \frac{7}{11}$

$32) -\frac{3}{4} - \left(-\frac{5}{8}\right)$

$24) \frac{2}{11} - \frac{5}{11}$

$33) -\frac{4}{5} - \left(-\frac{7}{10}\right)$

$25) \frac{1}{11} - \frac{4}{11}$

$34) 1.6 - (-1.2)$

$26) \frac{7}{9} - \left(-\frac{1}{9}\right)$

$$35) -2.4 - (-0.1)$$

$$36) -5.4 - 2.6$$

$$37) -9.2 - 5.5$$

$$38) -4.1 - 2$$

$$39) -6.2 - 2$$

$$40) -0.46 - (-0.41)$$

$$41) 0.97 - (-0.60)$$

$$42) 0.48 - (-0.33)$$

$$43) 0.82 - (-0.50)$$

$$44) 0.39 - (-0.02)$$

**Simplify the series of additions and subtractions.**

$$45) 2 - 4 - 13$$

$$46) -4 - 7 + 5$$

$$47) -10 + 11 + 14$$

$$48) -1 + (-6) - 3 - 2$$

$$49) -12 - 2 - (-11) + (-7)$$

$$50) \frac{45}{28} - \frac{27}{56} - \frac{27}{56}$$

$$51) \frac{4}{9} - \frac{7}{18} + \frac{1}{3} - \frac{1}{6}$$

$$52) \frac{2}{5} - \frac{3}{10} + \frac{7}{10} - \frac{2}{5}$$

$$53) 8.3 - 7.6 - 16.1$$

**Identify the terms in the algebraic expression.**

54)  $-2x - 6y$

55)  $-5x - 2y$

56)  $-7x - 4xy - y$

57)  $9x - 4xy - y$

58)  $-5x + 3xy - y$

59)  $7a - 2ab - 5$

60)  $4a - 2ab - 2$

61)  $7a - 4ab - 3$

62)  $8a - 5ab - 3$

**Simplify the algebraic expression.**

63)  $2x - 8x$

64)  $3x - 7x$

65)  $3 + 6y - 9y$

66)  $5x - 9 - 4x$

67)  $9 - 4y - 6 - 9y$

68)  $1 - (-3x) + 8x - (-10)$

69)  $3 + 6y - 9y$

70)  $3x - 9 - 6x$

71)  $6 - 3y - 9 - 7y$

72)  $9 - (-3x) + 9x - (-2)$

**Solve.**

73) Trader Tower stands at 1700 feet high. Exchange Emporium is 867 feet tall. How much taller is Trader Tower than Exchange Emporium?

74) Trader Tower stands at 2706 feet high. Exchange Emporium is 844 feet tall. How much taller is Trader Tower than Exchange Emporium?

75) The temperature at 5:00 was  $-5^{\circ}\text{C}$ . Four hours later, it was  $-10^{\circ}\text{C}$ . What was the change in temperature?

76) The temperature at 5:00 was  $-5^{\circ}\text{C}$ . Four hours later, it was  $-8^{\circ}\text{C}$ . What was the change in temperature?

77) City A has an elevation of 12,762 feet above sea level while city B has an elevation of 127 feet below sea level. Find the difference in elevation between those two cities.

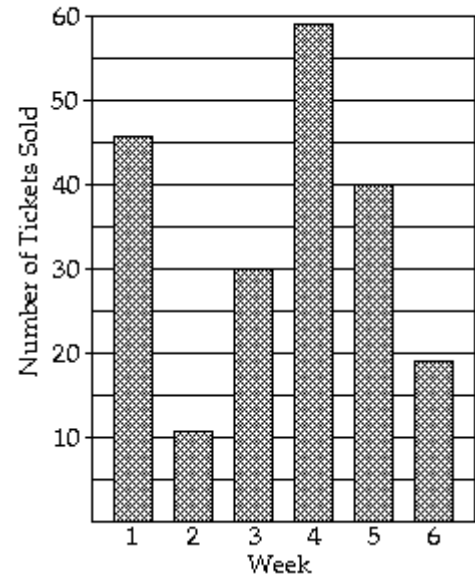
78) City A has an elevation of 15,171 feet above sea level while city B has an elevation of 123 feet below sea level. Find the difference in elevation between those two cities.

79) The difference between a country's exports and imports is called the country's *trade balance*. In 1986, a country had \$159 billion in exports and \$299 billion in imports. What was the country's trade balance in 1986?

80) The difference between a country's exports and imports is called the country's *trade balance*. In 1982, a country had \$115 billion in exports and \$191 billion in imports. What was the country's trade balance in 1982?

81) The bar graph shows the number of tickets sold each week by the garden club for their annual flower show.

Number of Tickets Sold Each Week



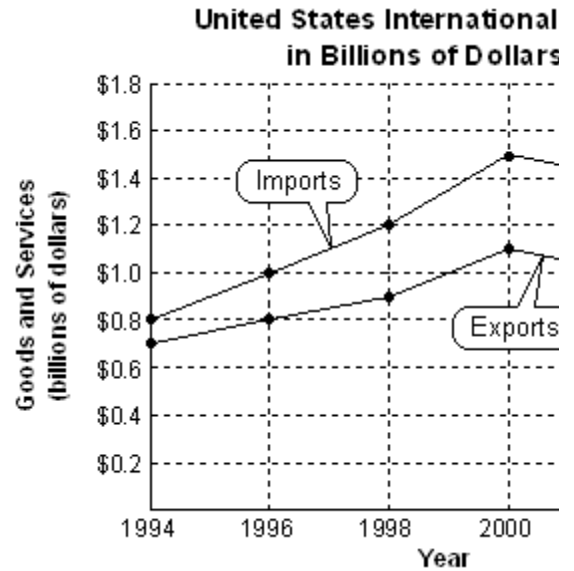
What is the difference in tickets sold from week 1 and week 6?

82) The line graphs show that from 1994 through 2004, the United States imported goods and services from other countries worth more than the value of its exports to those countries. As a result, we had a trade deficit for each year during this period. Express all answers in billions of dollars.



How much did we export to other countries in 1996?

83) The line graphs show that from 1994 through 2004, the United States imported goods and services from other countries worth more than the value of its exports to those countries. As a result, we had a trade deficit for each year during this period. Express all answers in billions of dollars.



Find the trade deficit, the difference between exports and imports, for 1998.

## Answer Key

Testname: 01.6V01B

- 1) 5
- 2) -6
- 3) 14
- 4) 13
- 5) 15
- 6) 14
- 7) 28
- 8) 39
- 9) 84
- 10) 11
- 11) 0
- 12) 0
- 13) 0
- 14) 14
- 15) 18
- 16) 26
- 17) -6
- 18) -12
- 19) -5
- 20) 12
- 21) 10
- 22) 13
- 23)  $-\frac{3}{11}$
- 24)  $-\frac{3}{11}$
- 25)  $-\frac{3}{11}$
- 26)  $\frac{8}{9}$
- 27)  $\frac{2}{9}$
- 28)  $\frac{2}{3}$
- 29)  $-\frac{3}{2}$
- 30)  $-\frac{11}{8}$
- 31)  $-\frac{7}{6}$
- 32)  $-\frac{1}{8}$
- 33)  $-\frac{1}{10}$
- 34) 2.8
- 35) -2.3
- 36) -8

## Answer Key

Testname: 01.6V01B

37) -14.7

38) -6.1

39) -8.2

40) -0.05

41) 1.57

42) 0.81

43) 1.32

44) 0.41

45) -15

46) -6

47) 15

48) -12

49) -10

50)  $\frac{9}{14}$

51)  $\frac{2}{9}$

52)  $\frac{2}{5}$

53) -15.4

54)  $-2x, -6y$

55)  $-5x, -2y$

56)  $-7x, -4xy, -y$

57)  $9x, -4xy, -y$

58)  $-5x, 3xy, -y$

59)  $7a, -2ab, -5$

60)  $4a, -2ab, -2$

61)  $7a, -4ab, -3$

62)  $8a, -5ab, -3$

63)  $-6x$

64)  $-4x$

65)  $3 - 3y$

66)  $1x - 9$

67)  $3 - 13y$

68)  $11 + 11x$

69)  $3 - 3y$

70)  $-3x - 9$

71)  $-3 - 10y$

72)  $11 + 12x$

73) 833 ft

74) 1862 ft

75)  $-5^{\circ}\text{C}$

76)  $-3^{\circ}\text{C}$

77) 12,889 ft

78) 15,294 ft

79)  $-\$140$  billion

80)  $-\$76$  billion

81) 27 tickets

82)  $\$0.8$  billion



Answer Key

Testname: 01.6V01B

83) -\$0.3 billion