

**SOLUCIONES****51)**

$$-x + 2x = 12 - 4$$

$$x = 8$$

$$x = \boxed{8}$$

**52)**

$$3x + 2x - 4x = 15 + 10$$

$$x = 25$$

$$x = \boxed{25}$$

**53)**

$$-4x - 2x = -10 - 20$$

$$-6x = -30$$

$$x = \frac{-30}{-6}$$

$$x = \boxed{5}$$

**54)**

$$2x - x = 9 + 6$$

$$x = 15$$

$$x = \boxed{15}$$

**55)**

$$-3x - 5x = -28 - 100$$

$$-8x = -128$$

$$x = \frac{-128}{-8}$$

$$x = \boxed{16}$$

**56)**

$$10x - 4x = 85 + 17$$

$$6x = 102$$

$$x = \frac{102}{6}$$

$$x = \boxed{17}$$

**57)**

$$4x - 3x = 24 - 17$$

$$x = 7$$

$$x = \boxed{7}$$

**58)**

$$3x - 7x + 2x = -5 - 4$$

$$-2x = -9$$

$$x = \frac{-9}{-2}$$

$$x = \boxed{\frac{9}{2}}$$

**59)**

$$11x - 2x = -1 + 100$$

$$9x = 99$$

$$x = \frac{99}{9}$$

$$x = \boxed{11}$$

**60)**

$$2x - x - 3x = 5 - 2$$

$$-2x = 3$$

$$x = \frac{3}{-2}$$

$$x = \boxed{-\frac{3}{2}}$$

**61)**

$$-2x - 3x = -80 - 25$$

$$-5x = -105$$

$$x = \frac{-105}{-5}$$

$$x = \boxed{21}$$

**62)**

$$-6x - 12x = 12 + 36$$

$$-18x = 48$$

$$x = \frac{48}{-18}$$

$$x = \boxed{-\frac{8}{3}}$$

**63)**

$$-2x - 3x = -35 - 25$$

$$-5x = -60$$

$$x = \frac{-60}{-5}$$

$$x = \boxed{12}$$

**64)**

$$5x + 2x = 50 + 10$$

$$7x = 60$$

$$x = \frac{60}{7}$$

$$x = \boxed{\frac{60}{7}}$$

65)

$$x + x = 76 - 48$$

$$2x = 28$$

$$x = \frac{28}{2}$$

$$x = \boxed{14}$$

66)

$$-6x - 36x = -5 - 2$$

$$-42x = -7$$

$$x = \frac{-7}{-42}$$

$$x = \boxed{\frac{1}{6}}$$

67)

$$x - 5x = 25 - 5 - 12$$

$$-4x = 8$$

$$x = \frac{8}{-4}$$

$$x = \boxed{-2}$$

68)

$$x + 5x = 8 - 2 - 2$$

$$6x = 4$$

$$x = \frac{4}{6}$$

$$x = \boxed{\frac{2}{3}}$$

69)

$$3x - 2x = 16 - 3 + 4$$

$$x = 17$$

$$x = \boxed{17}$$

70)

$$x + 2x - 2x = 8 + 2 - 4$$

$$x = 6$$

$$x = \boxed{6}$$

71)

$$x = 50 + 6 - 24 + 6$$

$$x = 38$$

$$x = \boxed{38}$$

72)

$$8x - 12x = 14 - 19$$

$$-4x = -5$$

$$x = \frac{-5}{-4}$$

$$x = \boxed{\frac{5}{4}}$$

73)

$$21x - 10x = 30 + 3$$

$$11x = 33$$

$$x = \frac{33}{11}$$

$$x = \boxed{3}$$

74)

$$3x + 4x + 2x = 7 + 2$$

$$9x = 9$$

$$x = \frac{9}{9}$$

$$x = \boxed{1}$$

75)

$$5x - 7x = 2 - 10$$

$$-2x = -8$$

$$x = \frac{-8}{-2}$$

$$x = \boxed{4}$$

76)

$$17 - 3 - 5 + 3 = x$$

$$12 = x$$

$$x = \boxed{12}$$

77)

$$7x - 11x + 2x = -9 + 3$$

$$-2x = -6$$

$$x = \frac{-6}{-2}$$

$$x = \boxed{3}$$

78)

$$3x - x - 7x = -7 + 1$$

$$-5x = -6$$

$$x = \frac{-6}{-5}$$

$$x = \boxed{\frac{6}{5}}$$

79)

$$-2x - x + 4x = -2 - 8 - 5$$

$$x = -15$$

$$x = \boxed{-15}$$

80)

$$3x + 8x = 187$$

$$11x = 187$$

$$x = \frac{187}{11}$$

$$x = \boxed{17}$$

81)

$$9x + 3x = 21 - 9$$

$$12x = 12$$

$$x = \frac{12}{12}$$

$$x = \boxed{1}$$

82)

$$-2x - 3x = -80 - 25$$

$$-5x = -105$$

$$x = \frac{-105}{-5}$$

$$x = \boxed{21}$$

83)

$$8x + 64x = 46 - 1$$

$$72x = 45$$

$$x = \frac{45}{72}$$

$$x = \boxed{\frac{5}{8}}$$

84)

$$5x - 15x = -33 + 11$$

$$-10x = -22$$

$$x = \frac{-22}{-10}$$

$$x = \boxed{\frac{11}{5}}$$

85)

$$5x + 2x = -54 + 60$$

$$7x = 6$$

$$x = \frac{6}{7}$$

$$x = \boxed{\frac{6}{7}}$$

86)

$$2x - 3x = 2 - 17$$

$$-x = -15$$

$$x = \boxed{15}$$

87)

$$-5x - x = -12 - 60$$

$$-6x = -72$$

$$x = \frac{-72}{-6}$$

$$x = \boxed{12}$$

88)

$$-3x - x = 14 - 70$$

$$-4x = -56$$

$$x = \frac{-56}{-4}$$

$$x = \boxed{14}$$

89)

$$-3x - 5x = -2 - 10 - 2$$

$$-8x = -14$$

$$x = \frac{-14}{-8}$$

$$x = \boxed{\frac{7}{4}}$$

90)

$$10x - x - 4x = 5 + 7$$

$$5x = 12$$

$$x = \frac{12}{5}$$

$$x = \boxed{\frac{12}{5}}$$

91)

$$3x - 7x = -11 - 1$$

$$-4x = -12$$

$$x = \frac{-12}{-4}$$

$$x = \boxed{3}$$

92)

$$-2x - 12x = 5 - 47$$

$$-14x = -42$$

$$x = \frac{-42}{-14}$$

$$x = \boxed{3}$$

93)

$$11x - x - 2x = -2 + 10$$

$$8x = 8$$

$$x = \frac{8}{8}$$

$$x = \boxed{1}$$

94)

$$-9x + 7x - x = 1 - 10$$

$$-3x = -9$$

$$x = \frac{-9}{-3}$$

$$x = \boxed{3}$$

95)

$$-x - 2x + x = 1 - 3 - 2$$

$$-2x = -4$$

$$x = \frac{-4}{-2}$$

$$x = \boxed{2}$$

96)

$$2x + x + 2x = 4 + 5$$

$$5x = 9$$

$$x = \frac{9}{5}$$

$$x = \boxed{\frac{9}{5}}$$

97)

$$3x - 5x - 5x + x = 1 - 2$$

$$-6x = -1$$

$$x = \frac{-1}{-6}$$

$$x = \boxed{\frac{1}{6}}$$

97)

$$3x - 5x - 5x + x = 1 - 2$$

$$-6x = -1$$

$$x = \frac{-1}{-6}$$

$$x = \boxed{\frac{1}{6}}$$

98)

$$7x - x + x = 7 - 1 + 1$$

$$7x = 7$$

$$x = \frac{7}{7}$$

$$x = \boxed{1}$$

99)

$$-x - 2x - 2x = -1 - 1$$

$$-5x = -2$$

$$x = \frac{-2}{-5}$$

$$x = \boxed{\frac{2}{5}}$$

100)

$$-2x - 4x + x = -10 - 5$$

$$-5x = -15$$

$$x = \frac{-15}{-5}$$

$$x = \boxed{3}$$