Soluciones (ecuaciones de la 39 a la 54)

39)
$$9x + 8 = 7x + 16$$
$$9x - 7x = 16 - 8$$
$$2x = 8$$
$$x = \frac{8}{2} = 4$$

40)
$$4x + 5 = 3x + 12$$
$$4x - 3x = 12 - 5$$
$$x = 7$$

41)
$$7x + 9 = 57 + x$$
$$7x - x = 57 - 9$$
$$6x = 48$$
$$x = \frac{48}{6} = 8$$

42)
$$5x - 13 = 2x - 4$$
$$5x - 2x = -4 + 13$$
$$3x = 9$$
$$x = \frac{9}{3} = 3$$

43)
$$x + 17 = 3x + 1$$
$$x - 3x = 1 - 17$$
$$-2x = -16$$
$$x = \frac{-16}{-2} = 8$$

44)
$$7x - 3 - 2 = 21x - 9 - 2x$$
$$7x - 21x + 2x = -9 + 3 + 2$$
$$-12x = -4$$
$$x = \frac{-4}{-12} = \frac{1}{3}$$

45)
$$10 - 5x = 4x - 5$$
$$-5x - 4x = -5 - 10$$
$$-9x = -15$$
$$x = \frac{-15}{-9} = \frac{5}{3}$$

49)
$$4 - 2x + 5 = -3x$$
$$-2x + 3x = -4 - 5$$
$$x = -9$$

50)
$$3x + 1 = 7x - 11$$
$$3x - 7x = -11 - 1$$
$$-4x = -12$$
$$x = \frac{-12}{-4} = 3$$

51)
$$4 - x = 12 - 2x$$
$$-x + 2x = 12 - 4$$
$$x = 8$$

52)
$$3x + 2x - 10 = 15 + 4x$$
$$3x + 2x - 4x = 15 + 10$$
$$x = 25$$

53)
$$20 - 4x = 2x - 10$$
$$-4x - 2x = -10 - 20$$
$$-6x = -30$$
$$x = \frac{-30}{-6} = 5$$

54)
$$2x - 6 = 9 + x$$
$$2x - x = 9 + 6$$
$$x = 15$$

55)
$$100 - 3x = 5x - 28$$
$$-3x - 5x = -28 - 100$$
$$-8x = -128$$
$$x = \frac{-128}{-8} = 16$$

46)
$$19 + 8x = 12x + 14$$
$$8x - 12x = 14 - 19$$
$$-4x = -5$$
$$x = \frac{-5}{-4} = \frac{5}{4}$$

47)
$$21x - 3 = 10x + x$$
$$21x - 10x - x = 3$$
$$10x = 3$$
$$x = \frac{3}{10}$$

48)
$$2 - 6x = 36x - 5$$
$$-6x - 36x = -5 - 2$$
$$-42x = -7$$
$$x = \frac{-7}{-42} = \frac{1}{6}$$