

## SOLUCIONES

$$-6x + 3x = 3(5x + 4) - 3$$

$$-6x + 3x = 15x + 12 - 3$$

$$33) \quad -6x + 3x - 15x = 12 - 3$$

$$-18x = 9$$

$$x = \frac{9}{-18} = -\frac{1}{2}$$

$$(x + 8) + 5 + 2x = 2(x + 15)$$

$$34) \quad x + 8 + 5 + 2x = 2x + 30$$

$$x + 2x - 2x = 30 - 8 - 5$$

$$x = 17$$

$$2x + 1 = 2x + 8 - (3x - 3)$$

$$2x + 1 = 2x + 8 - 3x + 3$$

$$35) \quad 2x - 2x + 3x = 8 + 3 - 1$$

$$3x = 10$$

$$x = \frac{10}{3}$$

$$2(x - 7) = 3(x + 1) - 2x$$

$$36) \quad 2x - 14 = 3x + 3 - 2x$$

$$2x - 3x + 2x = 3 + 14$$

$$x = 17$$

$$2(x - 5) = 2(x - 4) - (x - 1)$$

$$37) \quad 2x - 10 = 2x - 8 - x + 1$$

$$2x - 2x + x = -8 + 1 + 10$$

$$x = 3$$

$$2(x - 4) + 5x = 3(x - 3)$$

$$2x - 8 + 5x = 3x - 9$$

$$38) \quad 2x + 5x - 3x = -9 + 8$$

$$4x = -1$$

$$x = -\frac{1}{4}$$

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

$$3x - 9 - 2x + 10 = 3 - x - 1$$

$$39) \quad 3x - 2x + x = 3 - 1 + 9 - 10$$

$$2x = 1$$

$$x = \frac{1}{2}$$

$$2(x - 1) + 2(x + 1) = 5 + (1 - x)$$

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

$$40) \quad 2x + 2x + x = 5 + 1 + 2 - 2$$

$$5x = 6$$

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

$$-2(x - 1) + 2(2x + 2) = x - 1$$

$$41) \quad -2x + 2 + 4x + 4 = x - 1$$

$$-2x + 4x - x = -1 - 2 - 4$$

$$x = -7$$

$$6 + 5(x - 1) = 2x - (2 + x)$$

$$6 + 5x - 5 = 2x - 2 - x$$

$$42) \quad 5x - 2x + x = -2 - 6 + 5$$

$$4x = -3$$

$$x = -\frac{3}{4}$$

$$5(x - 1) + 32 = 4x + 41$$

$$43) \quad 5x - 5 + 32 = 4x + 41$$

$$5x - 4x = 41 + 5 - 32$$

$$x = 14$$

$$3(x - 7) = 5(x - 1) - 4x$$

$$3x - 21 = 5x - 5 - 4x$$

$$44) \quad 3x - 5x + 4x = -5 + 21$$

$$2x = 16$$

$$x = \frac{16}{2} = 8$$