

$$a) 4x + 5 = 7$$

$$4x = 7 - 5$$

$$4x = 2$$

$$x = \frac{2}{4} = 0.5$$

$$b) 2x - 4 = -6x + 8$$

$$2x + 6x = 4 + 8$$

$$8x = 12$$

$$x = \frac{12}{8} = 1.5$$

$$c) 300 + 5x = 275 + 6x$$

$$5x - 6x = -300 + 275$$

$$-x = -25$$

$$x = \frac{-25}{-1} = 25$$

$$d) 2x + 3 = 4x + 6$$

$$2x - 4x = 6 - 3$$

$$-2x = 3$$

$$x = \frac{3}{-2} = -1.5$$

$$e) 2x + 3 = 2x + 4$$

$$2x - 2x = 4 - 3$$

$$0 \neq 1$$

sin solución

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

$$3x + 6 + 5 = 4x - 10 - 15x$$

$$3x - 4x + 15x = -10 - 6 - 5$$

$$14x = -21$$

$$x = \frac{-21}{14} = -1,5$$

$$a(b+c+d) = a \cdot b + a \cdot c + a \cdot d$$

$$a(b \cdot c \cdot d) = a \cdot b \cdot c \cdot d$$

$$g) 2x + 3 = 2x + 5 - 2$$

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

$$0 = 0$$

$$h) -3(2x + 5) + 4(3x - 6) = 2(7 - x)$$
$$-6x - 15 + 12x - 24 = 14 - 2x$$

$$-6x + 12x + 2x = 14 + 15 + 24$$

$$8x = 53$$

$$x = \frac{53}{8} = 6.625$$

$$i) 2x + 3(4x + 5) = -6(2x - 3) + 2$$

$$2x + 12x + 15 = -12x + 18 + 2$$

$$2x + 12x + 12x = 18 + 2 - 15$$

$$26x = 5$$

$$x = \frac{5}{26} = 0.192$$

$$j) 5x + 6(4x - 2) = -3x - 4(7 - x)$$

$$5x + 24x - 12 = -3x - 28 + 4x$$

$$5x + 24x + 3x - 4x = -28 + 12$$

$$28x = -16$$

$$x = \frac{-16}{28} = -0.571$$

$$k) 2x + 3(4x + 5) = 6(5x - 4) + 3x$$

$$2x + 12x + 15 = 30x - 24 + 3x$$

$$2x + 12x - 30x - 3x = -24 - 15$$

$$-19x = -39$$

$$x = \frac{-39}{-19} = 2.05$$

$$x = \frac{39}{19}$$

$$\textcircled{-2}(6x-8) = -12x + 16$$

$$1) -2(-5+3x)+4x = 2(-4x-8)+3x$$

$$10 - 6x + 4x = -8x - 16 + 3x$$

$$-6x + 4x + 8x - 3x = -16 - 10$$

$$3x = -26$$

$$x = \frac{-26}{3} = -8.\bar{6}$$

$$m) 4(3x+2)+32=8(x-2)$$

$$12x+8+32=8x-16$$

$$12x-8x=-16-8-32$$

$$4x=-56$$

$$x=\frac{-56}{4}=-14$$