

$$\begin{aligned} \text{Grape} &= 4 \\ \text{Raspberry} - \text{Grape} &= 2 \\ \text{Raspberry} + \text{Watermelon} + \text{Watermelon} &= 16 \\ \text{Watermelon} - \text{Grape} / \text{Grape} &= ? \end{aligned}$$

$$V = 4$$

$$F = 6$$

$$S = 5$$

$$\text{FINAL} = 4$$

$$5 \cdot x + 6 = 16 \Rightarrow |x = 2|$$

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$$5x + 6 = 8$$

$$5x = 8 - 6$$

$$5x = 2$$

$$x = \frac{2}{5} = 0.4$$

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$$3x + 10 = 25$$

$$3x = 15$$

$$x = 5$$

$$a) \textcircled{4x+5=7}$$

$$\cancel{x} + \cancel{x} + \cancel{x} + \cancel{x} + 5 = 7$$

$$\cancel{x} + \cancel{x} + \cancel{x} + \cancel{x} = 2$$

$$\textcircled{A} + 5 = 7$$

$$\textcircled{A} = 2$$

$$\textcircled{4x} = 2$$

$$\textcircled{x} \textcircled{x} \textcircled{x} \textcircled{x} = 2 \text{ l}$$

$$\boxed{x = 0.5}$$

$$8x + 6 = 30$$

$$8x = 30 - 6$$

$$8x = 24$$

$$x = \frac{24}{8} = 3$$

$$4x + 10 = 42$$

$$4x = 42 - 10$$

$$4x = 32$$

$$x = \frac{32}{4} = 8$$

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

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

$$8x = 12$$

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

$$2 \cdot 1.5 - 4 = -6 \cdot 1.5 + 8$$

$$-1 = -1$$

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

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

$$-1x = -25$$

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

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

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

$$-2x = 3$$

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

CAS X | NINGUNA X

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

$2x - 2x = 4 - 3$

$0 \neq 1$   
SIN SOLUCIÓN

$4 - 3 = -3 + 4$

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

$$3 \cdot x + 3 \cdot 2 + 5 = 4x - 5 \cdot 2 - 5 \cdot 3x$$

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

$$3x + 11 = -11x - 10$$

$$3x + 11x = -10 - 11$$

$$14x = -21$$

$$x = \frac{-21}{14} = -1.5$$

$$1) -3(2x+5) + 4(3x-6) = 2(7-x)$$

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

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

$$6x - 39 = 14 - 2x$$

$$6x + 2x = 14 + 39$$

$$8x = 53$$

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

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

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

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

$$26x = 5$$

$$x = \frac{5}{26} = 0.19$$

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

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

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

$$28x = -16$$

$$x = \frac{-16}{28} = -0.57$$