

Ecuaciones lineales

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

$$\underbrace{3x -}_{\quad} = \underbrace{8 +}_{\quad}$$

=

$$x = \quad /$$

$$x =$$



2. $x + 2x + 3x = 1 + 2 + 3$

=

$$x = \quad /$$

$$x =$$

3. $3x - 1 = 4x + 4$

$$\underbrace{-1 -}_{\quad} = \underbrace{4x -}_{\quad}$$

=



4. $3.(x + 5) = 21$

$$x + 5 = 21 /$$

$$x + 5 =$$

$$x =$$

$$5. \frac{3x-1}{7} + \frac{2x-1}{3} = x$$

Solución:

$$\frac{3(3x-1) + 7.(\quad)}{7.} = x$$

$$\frac{9x - \quad + \quad - \quad}{\quad} = x$$

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

$$-10 = \quad x$$

$$-21x = 10$$

$$x =$$



$$6. \frac{x}{3} - \frac{1}{6} = \frac{x}{4} + \frac{1}{2}$$

Solución:

$$\frac{x}{3} - \frac{1}{6} = \frac{x}{4} + \frac{1}{2} \quad (\text{Multiplico } \times 12)$$

$$\underbrace{12 \cdot \frac{x}{3}} - \underbrace{12 \cdot \frac{1}{6}} = \underbrace{12 \cdot \frac{x}{4}} + \underbrace{12 \cdot \frac{1}{2}}$$

$$- 2 = \quad +$$

$$4x - \quad = \quad +$$

$$x =$$