

Résoudre :

$$7x - 4 = 5x + 6$$

$$\rightarrow \left(\begin{array}{l} \rightarrow \frac{2x}{2} = \frac{10}{2} \\ \rightarrow \end{array} \right)$$

$$x = \frac{10}{2}$$

$$x = 5$$

$$S = \{5\}$$

$$4; 3x + 12 = 33 - 5,7x$$

$$10x + 12 = 33$$

$$\rightarrow \frac{10x}{10} = \frac{21}{10}$$

$$\rightarrow 10$$

$$x = \frac{21}{10}$$

$$S = \left\{ \frac{21}{10} \right\}$$

$$-5x = -12$$

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

$$x = \frac{-12}{5}$$

$$x = \frac{12}{5}$$

$$S = \left\{ \frac{12}{5} \right\}$$

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

$$9x = 1$$

$$x = \frac{1}{9}$$

$$S = \left\{ \frac{1}{9} \right\}$$

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

$$5x + 15 = 3 + 2x - 6$$

$$3x = -18$$

$$x = -6$$

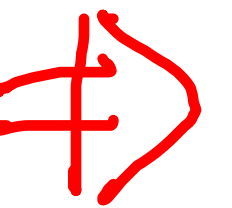
$$S = \{-6\}$$

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

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

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

$$\frac{-2x + 7}{6} = 3 + \frac{x}{3}$$



$$\frac{-2x+7}{6} = \frac{3 \times 6 + \frac{x \times 2}{3 \times 2}}$$

$$\frac{-2x+7}{6} = \frac{18+2x}{6}$$

$$-2x+7 = 18+2x$$

$$-4x = 11$$

$$x = -\frac{11}{4}$$

$$S = \left\{ -\frac{11}{4} \right\}$$

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

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

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

$$\frac{-2x+7}{6} = 3 + \frac{x}{3}$$

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

$$4x - 2 + 5x - 1 = -21 + 3x$$

$$6x = -18$$

$$x = -3$$

$$S = \{-3\}$$

$$\frac{x+5}{2} - \frac{2x-7}{5} = 2 + \frac{3x}{10}$$

$$\frac{5(x+5) - 2(2x-7)}{5 \times 2} - \frac{2x+3x}{10} = \frac{2x+3x}{10}$$

$$\frac{5x + 25 - (4x - 14)}{10} = \frac{20 + 3x}{10}$$

$$\frac{5x + 25 - 4x + 14}{10} = \frac{20 + 3x}{10}$$

$$\frac{x+39}{10} = \frac{20+3x}{10}$$

$$\frac{x}{10} = \frac{-19+3x}{10}$$

$$\frac{-2x}{10} = \frac{-19}{10}$$

$$\Leftrightarrow -2x = -19$$

$$x = \frac{19}{2}$$

$$S = \left\{ \frac{19}{2} \right\}$$

$$\frac{x+5}{2} - \frac{2x-7}{5} = \frac{2+3x}{10}$$

$$\frac{5(x+5) - 2(2x-7)}{5 \times 2} = \frac{2 \times 10 + 3x}{10}$$

$$\frac{5x+25 - (4x-14)}{10} = \frac{20+3x}{10}$$

$$\frac{5x+25-4x+14}{10} = \frac{20+3x}{10}$$