

Resuelva las siguientes ecuaciones:

- a) $3x + 5 = 5x - 13$ Solution is: 9 p) $\frac{4x}{33+x} = \frac{1}{3}$, Solution is: 3
- b) $5(7-x) = 31-x$ Solution is: 1 q) $\frac{4x}{15} - \frac{6x+28}{5} = 0$, Solution is: -6
- c) $4(2-3x) = -2x-27$ Solution is: $\frac{7}{2}$ r) $\frac{2x}{3} = \frac{5x}{12} - 2$, Solution is: -8
- d) $6x - 8 = 4(-2x + 5)$ Solution is: 2 s) $3x - \frac{2x}{5} = \frac{3x}{10} + 14$, Solution is: $\frac{140}{23}$
- e) $3(2x-2) = 2(3x+9)$, No solution found. t) $\frac{4x-3}{5} - \frac{4x}{3} = \frac{2(x-13)}{15}$, Solution is: $\frac{17}{10}$
- f) $3(4x+7) = 4x-25$, Solution is: $-\frac{23}{4}$ u) $\frac{3x+5}{2} - \frac{4x-5}{3} = \frac{7x+1}{6} - 5$, Solution is: 9
- g) $7x + 15 = 3(3x - 7)$, Solution is: 18 v) $\frac{9x-1}{2} - \frac{5x-8}{4} = x + 6$, Solution is: 2
- h) $\frac{4x+1}{3} = \frac{12x-3}{7}$, Solution is: 2 w) $5x - \frac{2x+1}{2} = 3x + \frac{15x-2}{4}$, Solution is: 0
- i) $\frac{2x-5}{12} = \frac{-x}{4} - \frac{5}{3}$, Solution is: -3 x) $\frac{4(3x+6)}{5} + 3 = \frac{2(2x+5)}{3} - 3x$, Solution is: $-\frac{67}{61}$
- j) $\frac{x}{5} + \frac{x}{3} - 1 = \frac{x}{2}$, Solution is: 30 y) $2x - 6 - \frac{2(2x+8)}{3} = 4x - 1$, Solution is: $-\frac{31}{10}$
- k) $\frac{2x+4}{3} = \frac{x}{6} - 3$, Solution is: $-\frac{26}{3}$ z) $\frac{7x-6}{3} - (x+2) = 4x + 2$, Solution is: $-\frac{9}{4}$
- l) $\frac{x+11}{2} - \frac{2x+3}{5} = 5$, Solution is: 1
- m) $\frac{5x+1}{6} + \frac{2x+1}{3} = 2$, Solution is: 1
- n) $\frac{6x+1}{5} = -10 + \frac{2x+1}{3}$, Solution is: $-\frac{37}{2}$
- o) $x - \frac{x}{5} = 30$, Solution is: $\frac{75}{2}$