

ECUACIONES DE PRIMER GRADO

1	$2x - 3 + x = 4x - 10$	$(x = 7)$
2	$\frac{3x}{7} = 15$	$(x = 35)$
3	$-2x + 4 = -3x$	$(x = -4)$
4	$1 - 3(x + 2) = x + 3$	$(x = -2)$
5	$4x - (x + 1) = 2x + 4$	$(x = 5)$
6	$6(x + 1) - 4(x - 5) = 7(x - 2)$	$(x = 8)$
7	$5(x + 1) = 3(3x - 1)$	$(x = 2)$
8	$5(3 + 2x) - 10x = 5x$	$(x = 3)$
9	$\frac{7x}{8} = 21$	$(x = 24)$
10	$2(x + 3) + 5(1 + x) = 11$	$(x = 0)$
11	$10 - 3(2 - x) = 7x + 8$	$(x = -1)$
12	$x - 1 + 2x - 2 = 3x + 3 - 4x + 6$	$(x = 3)$
13	$2x - (12 + x) = -22$	$(x = -10)$
14	$x - 3(x - 7) = 2x - 3$	$(x = 6)$
15	$5x + 10 - 2x + 1 = 6x - 4 + 3x - 3$	$(x = 3)$
16	$2(x - 8) = x - 5$	$(x = 11)$
17	$4(2 - x) = 6 - x + 3(x + 2)$	$(x = -2/3)$
18	$4(2x + 10) - x = 6x + 35$	$(x = -5)$
19	$x - 10 + 2x = 4(x - 6) + 2$	$(x = 12)$
20	$5x + 3 - 3x = 6x + 1$	$(x = 1/2)$
21	$3(x - 2) + 6x = 0$	$(x = 2/3)$
22	$3x + 5 = 6 + x + 5$	$(x = 3)$
23	$10 = \frac{4x}{7}$	$(x = 35/2)$
24	$2(x + 5) - x = 2$	$(x = -8)$
25	$3(x + 5) - 6x + 5 = -13x$	$(x = -2)$
26	$4x - 3(x - 5) = 40 - (2x - 2)$	$(x = 9)$
27	$6x - 3(3x - 5) = 22 - 2(3x - 1)$	$(x = 3)$

- 28 $\frac{4x}{13} = \frac{8}{39}$ (x = 2/3)
- 29 $\frac{x+1}{2} = 5 - x$ (x = 3)
- 30 $x - 2(x - 3) = 5 - 2x$ (x = -1)
- 31 $-4x + 5 = -7x - 3 + 2x + 8$ (x = 0)
- 32 $\frac{x+3}{5} + \frac{x+6}{4} - \frac{x+1}{3} = 2$ (x = 2)
- 33 $\frac{2x+1}{2} - \frac{3x}{4} = \frac{2x+1}{4} - \frac{x+4}{8}$ (x = 6)
- 34 $\frac{x}{5} - \frac{x-1}{4} = 1 - \frac{x+5}{1}$ (x = 5)
- 35 $3x - 2 - 2\left(\frac{5x}{8}\right) = \frac{x+4}{2} - 3x + \frac{x-2}{4}$ (x = 7/8)
- 36 $\frac{x+1}{12} - x = 10(10 - x)$ (x = 11)
- 37 $\frac{3(x-1)}{2} - \frac{5(x+2)}{4} = x$ (x = -16/3)
- 38 $\frac{x}{9} - \frac{x}{6} + \frac{x}{3} = x - 13$ (x = 18)
- 39 $\frac{5x}{4} + \frac{3x}{8} = \frac{2x-1}{2} - x$ (x = -4/13)
- 40 $\frac{x-10}{5} - \frac{x+5}{4} = 11 - x$ (x = 15)
- 41 $\frac{2x+3}{4} - \frac{x-3}{12} = 2x - \frac{5+3x}{3}$ (x = 32/7)
- 42 $\frac{2x-1}{5} - \frac{8-x}{10} = x - \frac{5+3x}{2}$ (x = -3/2)
- 43 $\frac{x+1}{2} - \frac{2-x}{4} = \frac{3x-1}{2} + x$ (x = 2/7)