

ECUACIONES DE 1^{er} GRADO CON PARÉNTESIS

Instrucciones Resolver las siguientes ecuaciones y comprobar las respectivas respuestas.

1. $5x=18+2x$	R/6	15. $25+6x-8x=17-4x+12$	R/2
2. $8x=3x+35$	R/7	16. $20-7x+9=40-6x+30$	R/-41
3. $2x=10-8x$	R/1	17. $7x=59-(12x+21)$	R/2
4. $7x+16=30$	R/2	18. $6x-(11x-10)=87-(21+13x)$	R/7
5. $25+3x=46$	R/7	19. $10x-(4x+2)=6-(21x-19)$	R/1
6. $4x-29=11$	R/10	20. $7(8x-5)=77$	R/2
7. $16x-7=15x-3$	R/4	21. $5(2x+7)=9(2x-5)$	R/10
8. $14x-12x=10-3x$	R/2	22. $6(3x-8)=7(5x-19)$	R/5
9. $69-7x=99-13x$	R/5	23. $5x+7(2x+3)=59$	R/2
10. $5x+36-9x=12$	R/6	24. $13x-2(4x-5)=66-3x$	R/7
11. $9x-23=13-3x$	R/3	25. $4(2x - 5) = 3(x + 10) - 15$	R/7
12. $11x-72+9x=88+10x$	R/16	26. $7x - 8 - 3(2x - 10) = 0$	R/-22
13. $4x-27=1-3x$	R/4		
14. $24-3x=25-4x$	R/1		

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| 27. $3(2x - 11) - 4(3x + 12) = -141$ R/10 | 39. $(x-13)(x-5)=(x-10)(x-11)$ R/15 |
| 28. $5(6x - 3) - 2(18 - 3x) + 99 = 0$ R/ $\frac{-4}{3}$ | 40. $(2x+2)(4x-3)=(4x-4)(2x+3)$ R/3 |
| 29. $8(11x - 4) - 7(6x - 1) = 67$ R/2 | 41. $(3x-5)(2x+5)-(x+1)(6x-4)=0$ R/7 |
| 30. $3(4x - 60) - 8(2x + 30) + 500 = 0$ R/20 | 42. $(4x+1)(7x+4)-(14x+1)(2x-1)=285$ R/8 |
| 31. $6(5x-2)-5(6x-5)=4(9-2x)+1$ R/3 | 43. $4(x-1)(x-2)-2(x-7)(2x+1)-8=0$ R/-1 |
| 32. $7(6x+5)-8(3-4x)+24=12(2x+3)+199$
R/4 | 44. $(2x+3)(3x-2)-(3x+2)(2x-3)=0$ R/0 |
| 33. $x^2 + 13x - (x^2 - x) = 5(2x + 3) + 5$ R/5 | 45. $\frac{1}{4}x - 2 = \frac{1}{5}x + 3$ R/100 |
| 34. $x(x + 10) - 6(x - 5) = 4 - (x - x^2)$
R/-5.2 | 46. $\frac{1}{2}x + \frac{1}{3}x = 15$ R/18 |
| 35. $(x-1)(x+6)=(x+5)(x-2)$ R/-2 | 47. $\frac{1}{2}x + \frac{1}{3}x + \frac{1}{4}x + \frac{1}{5}x = 1$ R/ $\frac{60}{77}$ |
| 36. $(x-5)(x-7)=(x+4)(x-9)-13$ R/12 | 48. $\frac{1}{2}(x - 4) = \frac{1}{3}(x + 2)$ R/16 |
| 37. $(x+3)(x-6)=(x-5)(x+6)-20$ R/8 | 49. $19 - (17 + \frac{1}{8}x) = \frac{1}{2}x + 7$ R/-8 |
| 38. $(x+9)(x+2)=(x-3)(x+1)+60$ R/3 | 50. $4(\frac{2}{5}x - 3) - \frac{3}{10}x = \frac{5}{6}(2x - 16) - 6$ R/20 |

Bibliografía

[1] Hawkes, Herbert E. y otros. Second-Year Algebra.

[2] Schultze, Arthur. Elementary and Intermediate Algebra.