

Resolver las siguientes ecuaciones de primer grado

1. $8x - 5x = x + 8$
2. $5x - 7 = 2 - 4x$
3. $4x + 7 - x = 5 + 2x$
4. $3x + 6 = 2x + 13$
5. $3x + x + 4 = 2x + 10$
6. $8 - x = 3x + 2x + 5$
7. $6x - 9 + 3x - 2 - 5x = x - 6 - 3x + 1$
8. $12x - 7 + x - 5 = 11x - 10 + x$
9. $18x + 15 + 5x - 9 - 7x = 9x - 8$
10. $7x - 3 + 5x - 4 = 8x - 5 - x$
11. $10x + 1 - 7x = 5x - 5 + 4x$
12. $2x - 5 - 7x + 1 = 4x - 6x + 11$
13. $2 - 13x = 6x + 1 + x - 9$
14. $2x + 5 - 3x = x + 19$
15. $7x - 2x = 2x + 1 + 3x$
16. $11 + 2x = 6x - 3 + 3x$
17. $7 + 5x - 2 = x - 3 + 2x$
18. $x - 1 - 4x = 5 - 3x - 6$
19. $3x - x + 7x + 12 = 3x + 9$
20. $5x - 7 + 2x = 3x - 3 + 4x - 5$
21. $7x + 3 - 8x = 2x + 4 - 6x$
22. $7x - (1 - x) = x - 8$
23. $5 - (4x + 6) = 2x$
24. $x + 1 = 5x - (2x + 3)$
25. $2x - (5 - 4x) + 1 = x + (3x - 5)$
26. $5 - (x + 1) - 3 = 3x - (2x + 3) - x$
27. $4 - x = 2 - 3(x - 2)$
28. $x - 2(x - 2) = 3x$
29. $11 - x = 3x - 5(2x - 1)$
30. $x - 4(x + 2) = x + 5 - 3x$
31. $4(x - 2) + 3 = 1 - 3(2 - x)$
32. $2x - 8 = 1 - 3(x - 2)$
33. $4x - (2 + x) = 3(x - 1)$
34. $2x + 3(x + 1) = 5 - 2(2x - 5)$
35. $2x - 3(5x + 6) + 10 = 5(x - 3) - 4x$
36. $3(1 - 4x) + 7 = 5 - (8x + 7)$
37. $12 - 5(3 - 2x) = 8x - 3(x + 1) + 5x$
38. $x - (3 - x) = 7 - (x - 2)$
39. $3x - (1 + 5x) = 9 - (2x + 7) - x$
40. $(2x - 5) - (5x + 1) = 8x - (2 + 7x)$
41. $9x + (x - 7) = (5x + 4) - (8 - 3x)$
42. $2(x + 5) = 16$
43. $5 = 3(1 - 2x)$
44. $5(x - 1) = 3x - 4$
45. $5x - 3 = 3 - 2(x - 4)$
46. $10x - (4x - 1) = 5(x - 1) + 7$
47. $6(x - 2) - x = 5(x - 1)$
48. $7(x - 1) - 4x - 4(x - 2) = 2$
49. $3(3x - 2) - 7x = 6(2x - 1) - 10x$
50. $4x + 2(x + 3) = 2(x + 2)$
51. $-2(x + 6) + 2 = -4 - (10 - 2x)$
52. $3(2x - 1) + 21 = 5(3x - 2) + 1$
53. $4(x + 3) - (1 - x) = 1$
54. $3(x + 7) = -(5 - x) + 6$
55. $4(3x + 1) - 4x = 8 - 2(x - 3)$
56. $5x - 3(2x - 1) - (x + 5) = 1 - 2(3x + 5)$
57. $7 + 2(x - 3) = 9 - 5(2x + 1)$
58. $7x - 4(2x - 5) = 3(5x - 2) - 6$
59. $4 - 5(2x + 1) = -3(4x - 5)$
60. $9x - 5(2x - 1) = -3(x + 4)$
61. $7x + 3(5x - 3) - (5x + 1) = 7(2x + 2)$
62. $7(x - 5 + 3x) - 2(x - 1) + x = -2(1 - 3x + 4) - 2$
63. $-25(-2x + 1) - 12(-18 + 10x) - 26x = -1$

Soluciones

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|------------------------|------------------------|
| 1. $x = 4$ | 35. $x = 1/2$ |
| 2. $x = 1$ | 36. $x = 3$ |
| 3. $x = -2$ | 37. Es una identidad. |
| 4. $x = 7$ | 38. $x = 4$ |
| 5. $x = 3$ | 39. $x = 3$ |
| 6. $x = 1/2$ | 40. $x = -1$ |
| 7. $x = 1$ | 41. $x = 3/2$ |
| 8. $x = 2$ | 42. $x = 3$ |
| 9. $x = -2$ | 43. $x = -1/3$ |
| 10. $x = 2/5$ | 44. $x = 1/2$ |
| 11. $x = 1$ | 45. $x = 2$ |
| 12. $x = -5$ | 46. $x = 1$ |
| 13. $x = 1/2$ | 47. No tiene solución. |
| 14. $x = -7$ | 48. $x = -1$ |
| 15. No tiene solución. | 49. Es una identidad. |
| 16. $x = 2$ | 50. $x = -1/2$ |
| 17. $x = -4$ | 51. $x = 1$ |
| 18. Es una identidad. | 52. $x = 3$ |
| 19. $x = -1/2$ | 53. $x = -2$ |
| 20. No tiene solución | 54. $x = -10$ |
| 21. $x = 1/3$ | 55. $x = 1$ |
| 22. $x = -1$ | 56. $x = -7/4$ |
| 23. $x = -1/6$ | 57. $x = 1/4$ |
| 24. $x = 2$ | 58. $x = 2$ |
| 25. $x = -1/2$ | 59. $x = 8$ |
| 26. $x = 4$ | 60. $x = -17/2$ |
| 27. $x = 2$ | 61. $x = 8$ |
| 28. $x = 1$ | 62. $x = 1$ |
| 29. $x = -1$ | 63. $x = 2$ |
| 30. $x = -13$ | |
| 31. $x = 0$ | |
| 32. $x = 3$ | |
| 33. No tiene solución. | |
| 34. $x = 4/3$ | |