

Solving Linear Equations

Solve for x .

1. $x - 8 = -3$

2. $x - 3 = -4$

3. $3x = -12$

4. $2x = -12$

5. $-2x = -20$

6. $-2x = 18$

7. $x + 12 = 8$

8. $x + 10 = 8$

9. $3x - 4 = -10$

10. $3x - 1 = 10$

11. $-4x + 7 = 12$

12. $-4x - 9 = 11$

13. $4x + 17 = 1$

14. $4x + 7 = 11$

15. $\frac{x}{5} - 1 = 4$

16. $\frac{x}{3} - 2 = 4$

17. $\frac{2}{3}x + 5 = -1$

18. $\frac{4}{3}x + 5 = -1$

19. $5x - 4 = 12$

20. $3x + 8 = 7$

21. $-2x + 5 = -5$

22. $-2x + 4 = -3$

23. $-4x + 7 = -11$

24. $-4x + 5 = -8$

25. $3x - 4 = x - 6$

26. $3x - 5 = x - 7$

27. $2x - 7 = x + 5$

28. $2x - 3 = x + 4$

29. $4(x - 1) + 2 = -20$

30. $4(x - 1) + 12 = -10$

31. $2(x - 5) = 3(x + 4)$

32. $2(x - 3) = 3(x + 7)$

33. $-(x + 2) - 5 = 0$

34. $-(x + 3) - 4 = 0$

35. $6x - 4x + 5 = -3$

36. $6x - 4x + 3 = -1$

37. $4 - x = 12$

38. $5 - x = 11$

39. $4 - 2x = 8$

40. $4 - 2x = 10$

41. $-2 + x = -8$

42. $-3 + x = -7$

43. $5 + 3x = 7$

44. $7 + 3x = 5$

45. $2x - \frac{1}{5} = \frac{2}{5}$

46. $3x - \frac{1}{5} = \frac{3}{5}$

47. $\frac{x}{-2} - 1 = \frac{1}{5}$

48. $\frac{x}{-3} - 1 = \frac{2}{5}$

49. $\frac{x}{6} = \frac{2}{3}$

50. $\frac{x}{4} = \frac{3}{2}$

51. $\frac{5}{x} = \frac{1}{3}$

52. $\frac{4}{x} = \frac{1}{5}$

See Video Solutions for answers for the odds.