

Solve the equation for x .

1. $10^x = \frac{4}{3}$ [A] 3.02 [B] 1.32 [C] 2.88 [D] 0.12
2. $10^x = 49.33$ [A] 0.31 [B] 2.49 [C] 1.69 [D] 0.08
3. $10^x = 5$ [A] -0.45 [B] 0.94 [C] 0.7 [D] 0.8
4. $10^x = 0.046$ [A] -0.94 [B] 2.34 [C] -1.34 [D] -1.57
5. $10^x = \frac{5}{12}$ [A] 0.12 [B] -0.61 [C] -0.38 [D] 1.63
6. $10^x = 30.38$ [A] 1.48 [B] 2.38 [C] 0.77 [D] 2.52
7. $10^x = 8$ [A] 0.67 [B] 0.9 [C] 2 [D] 1.85
8. $10^x = 0.054$ [A] 3.91 [B] 3.77 [C] -0.27 [D] -1.27
9. $10^x = \frac{2}{23}$ [A] -0.86 [B] 1.7 [C] -1.06 [D] 1.56
10. $10^x = 22.13$ [A] -0.82 [B] 1.64 [C] 1.34 [D] -0.59
11. $10^x = \frac{1}{6}$
12. $10^x = 12.04$
13. $10^x = 15$
14. $10^x = \frac{1}{2}$

Solve the equation for x .

15. $10^x = \frac{1}{3}$

16. $10^x = 0.02$

17. $10^x = 0.034$

18. $10^x = 48.17$

19. $10^x = \frac{2}{3}$

20. $10^x = 3$

Solve the equation. Round your answers to the nearest hundredth.

21. $4^x = 43$ [A] 1.63 [B] 2.71 [C] 0.37 [D] 0.6

22. $2^x = 37$ [A] 0.3 [B] 5.21 [C] 1.57 [D] 0.19

23. $12^x = 40$ [A] 1.08 [B] 1.6 [C] 1.48 [D] 0.67

24. $6^x = 15$ [A] 1.18 [B] 1.51 [C] 0.66 [D] 0.78

25. $5^x = 18$ [A] 0.7 [B] 1.26 [C] 0.56 [D] 1.8

26. $9^x = 17$ [A] 0.95 [B] 0.78 [C] 1.29 [D] 1.23

27. $7^x = 38$ [A] 1.58 [B] 0.53 [C] 0.85 [D] 1.87

Solve the equation. Round your answers to the nearest hundredth.

28. $8^x = 25$ [A] 0.9 [B] 1.4 [C] 1.55 [D] 0.65

29. $3^x = 35$ [A] 0.48 [B] 1.54 [C] 0.31 [D] 3.24

30. $11^x = 26$ [A] 1.41 [B] 1.04 [C] 0.74 [D] 1.36

31. $2^{x-2} = 30$ [A] 2.2 [B] 3.48 [C] 2.3 [D] 6.91

32. $3^{x+4} = 44$ [A] -0.56 [B] -3.52 [C] -3.71 [D] -2.36

33. $11^{x+3} = 33$ [A] -1.96 [B] -1.54 [C] -2.31 [D] -1.48

34. $7^{x-1} = 24$ [A] 2.63 [B] 1.61 [C] 1.85 [D] 2.38

35. $5^{x+6} = 32$ [A] -3.85 [B] -5.54 [C] -4.49 [D] -5.3

36. $3.7^x = 41$

37. $2.7^x = 29$

38. $5.7^x = 37$

39. $7.8^x = 34$

40. $8.5^x = 20$

41. $6.5^x = 25$

42. $2.4^x = 42$

Solve the equation. Round your answers to the nearest hundredth.

43. $2.6^x = 35$

44. $11.6^x = 30$

45. $5.5^x = 22$

46. $-85 + 3.61^x = 32$

47. $-72 + 2.23^x = 15$

48. $28 + 1.41^x = 34$

49. $7 + 3.15^x = 22$

50. $-48 + 2.54^x = 44$