Radical Equations

Solve for x.

1. $\sqrt{x} = 2$

2. $\sqrt{x} = 3$

3. $\sqrt{x} = 4$

4. $\sqrt{x} = 5$

5. $\sqrt{x} = -5$

6. $\sqrt{x} = -4$

7. $\sqrt{x} - 3 = 0$

8. $\sqrt{x} - 4 = 0$

9. $\sqrt{x} - 1 = 0$

10. $\sqrt{x} - 7 = 0$

11. $\sqrt{x} + 7 = 0$

12. $\sqrt{x} + 7 = 0$

13. $2\sqrt{x} - 10 = 0$

14. $3\sqrt{x} - 12 = 0$

15. $3\sqrt{x} - 18 = 0$

16. $4\sqrt{x} - 16 = 0$

17. $4\sqrt{x-1} - 16 = 0$

18. $4\sqrt{x-1} - 16 = 0$

19. $4\sqrt{x-3} - 20 = 0$

20. $4\sqrt{x-2} - 24 = 0$

21. $4\sqrt{x-2} - 24 = 0$

22. $6\sqrt{x+2} - 24 = 0$

23. $-5\sqrt{x+1} - 25 = 0$

24. $-2\sqrt{x+1} - 20 = 0$

25. $-2\sqrt{x+1} + 20 = 0$

26. $-4\sqrt{x-3} + 20 = 0$

27. $\sqrt{2x} = 3$

28. $\sqrt{2x} = 5$

29. $\sqrt{2x+1} = 5$

30. $\sqrt{2x+1} = 3$

31. $\sqrt{3x-4} = 3$

32. $\sqrt{3x-5} = 2$

33. $\sqrt{2x-3} = \sqrt{x+4}$

34. $\sqrt{x-3} = \sqrt{2x-5}$

35. $\sqrt{4x-3} = \sqrt{2x+5}$

36. $\sqrt{4x+1} = \sqrt{x+11}$

37. $\sqrt{x} = x$

38. $2\sqrt{x} = x$

39. $3\sqrt{x} = x$

40. $4\sqrt{x} = x$

41. $\sqrt{x-1} = x-3$

42. $\sqrt{5-x} = x-3$

43. $x = \sqrt{x+7} + 5$

44. $x = \sqrt{x+13} + 7$

45. $\sqrt{x+9} = \sqrt{x-6} + 3$

46. $\sqrt{x+6} = 4 - \sqrt{2-x}$

47. $\sqrt{2x+3} - \sqrt{x-1} = 1$

48. $\sqrt{3x+1} - \sqrt{x-4} = 3$