

3. $9^{2/3}$

4. $12^{1/2}$

5. $6^{3/4}$

6. $7^{2/3}$

7. $\frac{5}{4}$

8. $\frac{2}{3}$

9. $3^{1/3}$

10. $5^{1/4}$

11. 4

12. $7^{5/4}$

13. 12

14. 8

15. $2\sqrt[4]{3}$

16. $2\sqrt{2}$

17. 3

18. $\frac{1}{4}$

19. 6

20. 3

21. $3\sqrt[4]{7}$

22. $2\sqrt[5]{9}$

23. $\frac{\sqrt[3]{10}}{2}$

24. $\frac{\sqrt[4]{12}}{3}$

25. $\frac{\sqrt{6}}{4}$

26. $\frac{\sqrt[3]{14}}{2}$

27. $\frac{4\sqrt[3]{7}}{7}$

28. $\frac{6\sqrt{5}}{5}$

29. $\frac{1 - \sqrt{3}}{-2}$

30. $-2 + \sqrt{5}$

31. $\frac{15 + 5\sqrt{2}}{7}$

32. $\frac{99 + 11\sqrt{6}}{75}$

33. $\frac{9\sqrt{3} - 9\sqrt{7}}{-4}$

34. $4\sqrt{2} - 2\sqrt{7}$

35. $\frac{3\sqrt{2} + \sqrt{30}}{-2}$

36. $\frac{\sqrt{70} + \sqrt{14}}{8}$

37. $12\sqrt[3]{11}$

38. $-4\sqrt[6]{5}$

39. $12(11^{1/4})$

40. $9(8^{3/4})$

41. $-9\sqrt{3}$

42. $62\sqrt{6}$

43. $5\sqrt[5]{7}$

44. $3\sqrt[3]{2}$

45. $6(3^{1/3})$

46. $19(5^{1/4})$

47. The radicand should not change when the expression is factored;
 $3\sqrt[3]{12} + 5\sqrt[3]{12} = (3 + 5)\sqrt[3]{12} = 8\sqrt[3]{12}$