

More Radicals

Simplify. Assume all variables are nonnegative.

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|---|---|--|--|
| 1. $\sqrt{5}\sqrt{11}$ _____ | 2. $\sqrt{16}\sqrt{14}$ _____ | 3. $\sqrt{a}\sqrt{5}$ _____ | |
| 4. $\sqrt{3}\sqrt{2x+5}$ _____ | 5. $\sqrt{x}\sqrt{x+2}$ _____ | 6. $\sqrt{0.5}\sqrt{3}$ _____ | |
| 7. $\sqrt{3+a}\sqrt{3-a}$ _____ | 8. $\sqrt{x-3}\sqrt{x+4}$ _____ | 9. $\sqrt{2x+3}\sqrt{x+1}$ _____ | |
| 10. $\sqrt{3}\sqrt{21}$ _____ | 11. $\sqrt{12}\sqrt{14}$ _____ | 12. $\sqrt{10x^2y}\sqrt{5xy}$ _____ | |
| 13. $\sqrt{6a}\sqrt{30b}$ _____ | 14. $\sqrt{45x}\sqrt{3x}$ _____ | 15. $\sqrt{3x^3}\sqrt{6x}$ _____ | |
| 16. $\sqrt{3a}\sqrt{15a}$ _____ | 17. $\sqrt{az}\sqrt{bz}$ _____ | 18. $\sqrt{24m^3n}\sqrt{6m^2n^2}$ _____ | |
| 19. $\sqrt{\frac{1}{100}}$ _____ | 20. $\sqrt{\frac{36}{100}}$ _____ | 21. $\sqrt{\frac{500}{720}}$ _____ | 22. $-\sqrt{\frac{49}{64}}$ _____ |
| 23. $\sqrt{\frac{20}{405}}$ _____ | 24. $\sqrt{\frac{27}{48}}$ _____ | 25. $\sqrt{\frac{18x^2}{2}}$ _____ | 26. $\sqrt{\frac{64}{t^2}}$ _____ |
| 27. $\frac{\sqrt{28}}{\sqrt{7}}$ _____ | 28. $\frac{\sqrt{108}}{\sqrt{12}}$ _____ | 29. $\frac{\sqrt{3}}{\sqrt{108}}$ _____ | 30. $\frac{\sqrt{54}}{\sqrt{150}}$ _____ |
| 31. $\frac{\sqrt{75x}}{\sqrt{3x}}$ _____ | 32. $\frac{\sqrt{72x^7}}{\sqrt{2x}}$ _____ | 33. $\frac{\sqrt{32x^5}}{\sqrt{8x^2}}$ _____ | 34. $\frac{\sqrt{132x^4}}{\sqrt{11x^2}}$ _____ |
| 35. $\sqrt{\frac{1}{6}}$ _____ | 36. $\sqrt{\frac{3}{7}}$ _____ | 37. $\sqrt{\frac{5}{12}}$ _____ | 38. $\sqrt{\frac{7}{18}}$ _____ |
| 39. $\sqrt{\frac{12}{5}}$ _____ | 40. $\sqrt{\frac{5}{x}}$ _____ | 41. $\sqrt{\frac{3x}{5}}$ _____ | 42. $\sqrt{\frac{x^2}{28}}$ _____ |
| 43. $\frac{\sqrt{3}}{\sqrt{8}}$ _____ | 44. $\frac{\sqrt{3}}{\sqrt{10}}$ _____ | 45. $\frac{\sqrt{15}}{\sqrt{2}}$ _____ | 46. $\frac{\sqrt{y^3}}{\sqrt{8}}$ _____ |
| 47. $-2\sqrt{x} + 4\sqrt{x}$ _____ | 48. $11\sqrt{3} + 4\sqrt{3}$ _____ | | |
| 49. $\sqrt{48x} + \sqrt{75x^3}$ _____ | 50. $\sqrt{32} - \sqrt{18}$ _____ | | |
| 51. $\sqrt{7} - 2\sqrt{\frac{1}{7}}$ _____ | 52. $6\sqrt{x^2y} - \sqrt{64y}$ _____ | | |
| 53. $-12\sqrt{8} + 7\sqrt{18} + 2\sqrt{50}$ _____ | 54. $\sqrt{\frac{1}{3}} + \sqrt{\frac{1}{12}}$ _____ | | |
| 55. $\sqrt{16x+32} + \sqrt{4x+8}$ _____ | 56. $3\sqrt{24} + 2\sqrt{54} - 2\sqrt{27}$ _____ | | |
| 57. $\sqrt{36a} + 3\sqrt{4a}$ _____ | 58. $2a\sqrt{a^3b} + a\sqrt{ab^3} + b\sqrt{a^3b}$ _____ | | |