

Adding/Subtracting with Radical Expressions

Simplify.

1. $\sqrt{32}$ 2. $\sqrt{27}$ 3. $\sqrt{20}$ 4. $\sqrt{75}$

5. $\sqrt{72}$ 6. $\sqrt{12}$ 7. $\sqrt{75}$ 8. $\sqrt{48}$

9. $3\sqrt{48}$ 10. $4\sqrt{75}$ 11. $5\sqrt{12}$ 12. $9\sqrt{27}$

Simplify each square root and then simplify the expression.

13. $\sqrt{8} + \sqrt{2}$

14. $\sqrt{18} + \sqrt{2}$

15. $5\sqrt{3} - \sqrt{12}$

16. $4\sqrt{3} - \sqrt{27}$

17. $8\sqrt{5} + \sqrt{125}$

18. $\sqrt{32} + \sqrt{2}$

19. $\sqrt{75} + \sqrt{3}$

20. $\sqrt{80} - \sqrt{45}$

21. $\sqrt{72} - \sqrt{18}$

22. $3\sqrt{6} + \sqrt{24}$

23. $\sqrt{18} + \sqrt{32}$

24. $\sqrt{28} - 3\sqrt{7} + \sqrt{63}$

25. $\sqrt{20} + \sqrt{80}$

26. $\sqrt{12} - 2\sqrt{3}$

27. $\sqrt{28} - \sqrt{63}$

28. $\sqrt{24} + \sqrt{54} + 8\sqrt{6}$

29. $\sqrt{32} + 2\sqrt{2}$

30. $\sqrt{200} - \sqrt{242} - \sqrt{2}$

31. $\sqrt{40} + \sqrt{90} - \sqrt{1000}$

32. $2\sqrt{8} - \sqrt{98} + \sqrt{72}$

33. $4\sqrt{5} + \sqrt{125} + \sqrt{45}$

34. $\sqrt{24} - \sqrt{96} + \sqrt{6}$