

Add or Subtract Radicals

Period: _____ #: _____

Add or Subtract. Your answer must be simplified completely!

1. $4\sqrt{7} + 3\sqrt{7}$

2. $-6\sqrt{6} + 8\sqrt{6}$

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

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4. $\sqrt{5} - 3\sqrt{5}$

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

6. $\sqrt{27} + \sqrt{3}$

7. $\sqrt{72} - 9\sqrt{2}$

8. $4\sqrt{5} + \sqrt{80} + \sqrt{20}$

9. $\sqrt{243} + \sqrt{75} - \sqrt{300}$

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Simplify Completely.

10. $-3a\sqrt{28a^8b^7}$

11. $4\sqrt{2a^2} - 2\sqrt{6a^4}$

12. $\sqrt{\frac{144}{64t^2}}$

13. $\frac{5}{\sqrt{7}}$

14. $\sqrt{\frac{a^4}{5a^2}}$

15. $\sqrt{\frac{32a^7}{2a^3}}$

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