

Add or subtract, as indicated:

Random Seed: 602375

- |                                     |   |   |
|-------------------------------------|---|---|
| 1. $\sqrt{3x} + \sqrt{27x}$         | 11. $\sqrt[3]{5x} + \sqrt[3]{135x}$                         | 21. $\sqrt{112y^6} + 2\sqrt{63y^6}$                         |
| 2. $\sqrt{3} - \sqrt{48}$           | 12. $\sqrt{20} - \sqrt{80}$                                 | 22. $\sqrt[3]{189} - 4\sqrt[3]{56}$                         |
| 3. $\sqrt[3]{2x} - \sqrt[3]{128x}$  | 13. $\sqrt[3]{3x} + \sqrt[3]{192x}$                         | 23. $\sqrt[3]{81x^{14}y^{17}} + 5x^3\sqrt[3]{192x^5y^{17}}$ |
| 4. $\sqrt{5} + \sqrt{45}$           | 14. $\sqrt{7x} + \sqrt{63x}$                                | 24. $\sqrt[3]{128x^{13}} + 3x\sqrt[3]{128x^{10}}$           |
| 5. $\sqrt[3]{192x} - \sqrt[3]{24x}$ | 15. $\sqrt{112} + \sqrt{28}$                                | 25. $\sqrt[3]{56y^9} - 2y^2\sqrt[3]{189y^3}$                |
| 6. $\sqrt{3} + \sqrt{27}$           | 16. $\sqrt[3]{192} + 5\sqrt[3]{24}$                         | 26. $\sqrt{8x^6y^3} + 3\sqrt{8x^6y^3}$                      |
| 7. $\sqrt[3]{7} - \sqrt[3]{448}$    | 17. $\sqrt[3]{192y^7} - 3\sqrt[3]{24y^7}$                   | 27. $\sqrt{32} - 2\sqrt{8}$                                 |
| 8. $\sqrt{3} + \sqrt{48}$           | 18. $\sqrt{12y^2} - 4\sqrt{27y^2}$                          | 28. $\sqrt[3]{135y^{13}} + 5y^3\sqrt[3]{40y^4}$             |
| 9. $\sqrt{48x} + \sqrt{12x}$        | 19. $\sqrt[3]{40} + 4\sqrt[3]{40}$                          | 29. $\sqrt{27x^3y^{11}} + 4y^3\sqrt{12x^3y^5}$              |
| 10. $\sqrt[3]{3} - \sqrt[3]{81}$    | 20. $\sqrt[3]{81x^{10}y^{16}} - 3x^2y\sqrt[3]{81x^4y^{13}}$ | 30. $\sqrt[3]{189} + 5\sqrt[3]{448}$                        |

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|---------------------|-----------------------------|---------------------------------|
| 1. $4\sqrt{3x}$     | 11. $4\sqrt[3]{5x}$         | 21. $7y^3\sqrt{7}$              |
| 2. $-3\sqrt{3}$     | 12. $-2\sqrt{5}$            | 22. $-5\sqrt[3]{7}$             |
| 3. $-3\sqrt[3]{2x}$ | 13. $5\sqrt[3]{3x}$         | 23. $23x^4y^5\sqrt[3]{3x^2y^2}$ |
| 4. $4\sqrt{5}$      | 14. $4\sqrt{7x}$            | 24. $16x^4\sqrt[3]{2x}$         |
| 5. $2\sqrt[3]{3x}$  | 15. $6\sqrt{7}$             | 25. $-4y^3\sqrt[3]{7}$          |
| 6. $4\sqrt{3}$      | 16. $14\sqrt[3]{3}$         | 26. $4x^3y\sqrt{2y}$            |
| 7. $-3\sqrt[3]{7}$  | 17. $-2y^2\sqrt[3]{3y}$     | 27. $6\sqrt{2}$                 |
| 8. $5\sqrt{3}$      | 18. $5y\sqrt{3}$            | 28. $13y^4\sqrt[3]{5y}$         |
| 9. $6\sqrt{3x}$     | 19. $10\sqrt[3]{5}$         | 29. $5xy^5\sqrt{3xy}$           |
| 10. $-2\sqrt[3]{3}$ | 20. $-6x^3y^5\sqrt[3]{3xy}$ | 30. $23\sqrt[3]{7}$             |