

Add or Subtract Radicals #2

Period: _____ #: _____

Add or Subtract. Your answer must be simplified completely!

1. $4\sqrt{7} - 3\sqrt{7} + 2\sqrt{7}$

2. $5\sqrt{x} - 3\sqrt{x} + 10\sqrt{x}$

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3. $4\sqrt{27} - 2\sqrt{48} + \sqrt{147}$

4. $\sqrt{63} - \sqrt{28} - \sqrt{7}$

5. $y\sqrt{16y} + \sqrt{y^5}$

6. $4\sqrt{c^3d^3} + 3cd\sqrt{4cd} - 2c\sqrt{9cd^3}$

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7. $2b\sqrt{3c} + b\sqrt{5c} + b\sqrt{3c} - 2b\sqrt{5c}$

Simplify Completely.

8. $-a^2b^2c\sqrt{a^{12}b^{13}c}$

9. $2a^2\sqrt{32a^7} \square a^3\sqrt{2a^4}$

10. $\sqrt{\frac{100a^6}{7a^2}}$

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