

Adding and Subtracting Radical Expressions

Simplify each expression.

1) $36\sqrt{3} + 12\sqrt{6} - 47\sqrt{3}$

2) $3\sqrt{44} - 7\sqrt{44}$

3) $6\sqrt[3]{17} + 4\sqrt{17}$

$3\sqrt{18} - 19\sqrt{18}$

5) $-9\sqrt[3]{88} + 24\sqrt[3]{1}$

$4\sqrt[3]{24}$

7) $-2\sqrt{20} + \sqrt{20} - 16\sqrt{20}$

8) $\sqrt[3]{4} - 15\sqrt[3]{4} + 7\sqrt[3]{32}$

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Adding and Subtracting Radical Expressions

Simplify each expression.

1) $36\sqrt{3} + 12\sqrt{6} - 47\sqrt{3}$

2) $3\sqrt{44} - 7\sqrt{44}$

$-11\sqrt{3} + 12\sqrt{6}$

$-8\sqrt{11}$

3) $6\sqrt[3]{17} + 4\sqrt{17}$

$3\sqrt{18} - 19\sqrt{18}$

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$21\sqrt[3]{17} + 4\sqrt{17}$

$1\sqrt{2}$

5) $-9\sqrt[3]{88} + 24\sqrt[3]{11}$

$4\sqrt[3]{24}$

$6\sqrt[3]{11}$

$1\sqrt[3]{3}$

7) $-2\sqrt{20} + \sqrt{20} - 16\sqrt{20}$

8) $\sqrt[3]{4} - 15\sqrt[3]{4} + 7\sqrt[3]{32}$

$-34\sqrt{5}$

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