



Radicals - Adding and Subtracting (Values Only)

1 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{297} + \sqrt[3]{297} + \sqrt[3]{24}$$

A $6\sqrt[3]{11} + 2\sqrt[3]{3}$ B $6 + 2\sqrt[3]{3}$

2 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{40} + \sqrt[3]{128} + \sqrt[3]{40}$$

A $4\sqrt[3]{5} + 4\sqrt[3]{2}$ B $5\sqrt[3]{5} + 4\sqrt[3]{2}$

3 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{81} - \sqrt[3]{24} - \sqrt[3]{24}$$

A $-1\sqrt[3]{3}$ B $1 - 2\sqrt[3]{3}$

4 Simplify, then add or subtract the radical expressions

$$\sqrt{12} - \sqrt{20} - \sqrt{125}$$

A $2\sqrt{3} - 7\sqrt{5}$ B $3\sqrt{4} - \sqrt{3} - 5\sqrt{5}$

5 Simplify, then add or subtract the radical expressions

$$\sqrt{28} + \sqrt{175} - \sqrt{32}$$

A $7 - 4\sqrt{2}$ B $7\sqrt{7} - 4\sqrt{2}$

6 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{81} - \sqrt[3]{320} + \sqrt[3]{40}$$

A $\sqrt[3]{3} - 1 + 2\sqrt[3]{6}$ B $3\sqrt[3]{3} - 2\sqrt[3]{5}$

7 Simplify, then add or subtract the radical expressions

$$\sqrt{125} + \sqrt{175} + \sqrt{80}$$

A $9 + 5\sqrt{7}$ B $9\sqrt{5} + 5\sqrt{7}$

8 Simplify, then add or subtract the radical expressions

$$\sqrt{44} + \sqrt{176} + \sqrt{12}$$

A $6\sqrt{11} + 2\sqrt{3}$ B $\sqrt{11} + 2\sqrt{3}$