



Radicals - Adding and Subtracting (Values Only)

1 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{40} + \sqrt[3]{135} + \sqrt[3]{24}$$

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

2 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{56} - \sqrt[3]{24} + \sqrt[3]{189}$$

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

3 Simplify, then add or subtract the radical expressions

$$\sqrt{28} - \sqrt{18} - \sqrt{112}$$

A $4\sqrt{10} - 5 - 3\sqrt{9}$ B $-2\sqrt{7} - 3\sqrt{2}$

4 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{56} - \sqrt[3]{448} + \sqrt[3]{704}$$

A $-2\sqrt[3]{7} + 4\sqrt[3]{11}$ B $2\sqrt[3]{4} - \sqrt[3]{3} + \sqrt[3]{11}$

5 Simplify, then add or subtract the radical expressions

$$\sqrt[3]{81} + \sqrt[3]{192} + \sqrt[3]{54}$$

A $7\sqrt[3]{3} + 3\sqrt[3]{2}$ B $4\sqrt[3]{3} + 3\sqrt[3]{2}$

6 Simplify, then add or subtract the radical expressions

$$\sqrt{44} + \sqrt{32} - \sqrt{99}$$

A $\sqrt{11} + 4\sqrt{2}$ B $-1\sqrt{11} + 4\sqrt{2}$

7 Simplify, then add or subtract the radical expressions

$$\sqrt{275} - \sqrt{50} + \sqrt{275}$$

A $\sqrt{11} - 5\sqrt{2}$ B $10\sqrt{11} - 5\sqrt{2}$

8 Simplify, then add or subtract the radical expressions

$$\sqrt{20} - \sqrt{125} - \sqrt{28}$$

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