

Add & Subtract Radical Expressions

Simplify the radical expressions.

$$\sqrt{63} + \sqrt{45} - \sqrt{112}$$

$$\sqrt{18} + \sqrt{63} - \sqrt{32}$$

$$-\sqrt{18} - \sqrt{99} + \sqrt{8}$$

$$-\sqrt{45} + \sqrt{27} + \sqrt{80}$$

$$\sqrt{48} + \sqrt{96} - \sqrt{12}$$

$$\sqrt{12} + \sqrt{20} - \sqrt{27}$$

$$\sqrt{18} - \sqrt{54} - \sqrt{8}$$

$$-\sqrt{45} + \sqrt{54} + \sqrt{20}$$

$$\sqrt{27} + \sqrt{54} + \sqrt{12}$$

$$2\sqrt{8} - \sqrt{28} + 4\sqrt{32}$$

Add & Subtract Radical Expressions

Simplify the radical expressions.

$$\begin{aligned}\sqrt{63} + \sqrt{45} - \sqrt{112} \\ = -\sqrt{7} + 3\sqrt{5}\end{aligned}$$

$$\begin{aligned}-\sqrt{18} - \sqrt{99} + \sqrt{8} \\ = -\sqrt{2} - 3\sqrt{11}\end{aligned}$$

$$\begin{aligned}\sqrt{48} + \sqrt{96} - \sqrt{12} \\ = 2\sqrt{3} + 4\sqrt{6}\end{aligned}$$

$$\begin{aligned}\sqrt{18} - \sqrt{54} - \sqrt{8} \\ = \sqrt{2} - 3\sqrt{6}\end{aligned}$$

$$\begin{aligned}\sqrt{27} + \sqrt{54} + \sqrt{12} \\ = 5\sqrt{3} + 3\sqrt{6}\end{aligned}$$

$$\begin{aligned}\sqrt{18} + \sqrt{63} - \sqrt{32} \\ = -\sqrt{2} + 3\sqrt{7}\end{aligned}$$

$$\begin{aligned}-\sqrt{45} + \sqrt{27} + \sqrt{80} \\ = \sqrt{5} + 3\sqrt{3}\end{aligned}$$

$$\begin{aligned}\sqrt{12} + \sqrt{20} - \sqrt{27} \\ = -\sqrt{3} + 2\sqrt{5}\end{aligned}$$

$$\begin{aligned}-\sqrt{45} + \sqrt{54} + \sqrt{20} \\ = -\sqrt{5} + 3\sqrt{6}\end{aligned}$$

$$\begin{aligned}2\sqrt{8} - \sqrt{28} + 4\sqrt{32} \\ = 20\sqrt{2} - 2\sqrt{7}\end{aligned}$$