

Add & Subtract Radical Expressions

Simplify the radical expressions.

$$-\sqrt{5} + \sqrt{80}$$

$$-\sqrt{2} + \sqrt{18}$$

$$\sqrt{3} + \sqrt{3} + \sqrt{48}$$

$$-\sqrt{3} + \sqrt{48}$$

$$-6\sqrt{11} - 4\sqrt{11} - 5\sqrt{99}$$

$$7\sqrt{6} - 8\sqrt{24}$$

$$-4\sqrt{2} - 2\sqrt{2} + 5\sqrt{8}$$

$$-\sqrt{5} - \sqrt{20}$$

$$-4\sqrt{7} + 9\sqrt{63}$$

$$7\sqrt{5} + 4\sqrt{5} - 8\sqrt{45}$$

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Simplify the radical expressions.

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

$$\begin{aligned} & \sqrt{3} + \sqrt{3} + \sqrt{48} \\ & = 6\sqrt{3} \end{aligned}$$

$$\begin{aligned} & -6\sqrt{11} - 4\sqrt{11} - 5\sqrt{99} \\ & = -25\sqrt{11} \end{aligned}$$

$$\begin{aligned} & -4\sqrt{2} - 2\sqrt{2} + 5\sqrt{8} \\ & = 4\sqrt{2} \end{aligned}$$

$$\begin{aligned} & -4\sqrt{7} + 9\sqrt{63} \\ & = 23\sqrt{7} \end{aligned}$$

$$\begin{aligned} & -\sqrt{2} + \sqrt{18} \\ & = 2\sqrt{2} \end{aligned}$$

$$\begin{aligned} & -\sqrt{3} + \sqrt{48} \\ & = 3\sqrt{3} \end{aligned}$$

$$\begin{aligned} & 7\sqrt{6} - 8\sqrt{24} \\ & = -9\sqrt{6} \end{aligned}$$

$$\begin{aligned} & -\sqrt{5} - \sqrt{20} \\ & = -\sqrt{5} \end{aligned}$$

$$\begin{aligned} & 7\sqrt{5} + 4\sqrt{5} - 8\sqrt{45} \\ & = -13\sqrt{5} \end{aligned}$$