

11.16.15

x, y

$$2x + 3x = 5x$$

Similar to variables in an equation, we can combine "like terms" with radicals. If the radicand (value under the radical) is the same in both terms we can add or subtract the coefficients.

in front of $\sqrt{\#}$

On a piece of loose leaf paper:

Add or subtract the following radicals. Your answers should be in simplest form.

$$\begin{array}{l} \textcircled{-5}\sqrt{3} - \textcircled{3}\sqrt{3} \\ \hline -8\sqrt{3} \end{array}$$

$$\begin{array}{l} \textcircled{2}\sqrt{8} - \textcircled{1}\sqrt{8} \\ \hline \sqrt{8} \\ \swarrow \searrow \\ \cancel{4} \quad \cancel{2} \\ 2\sqrt{2} \end{array}$$