

11.18.15

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

$$\begin{array}{l}
 2\sqrt{6} - 2\sqrt{24} \\
 \downarrow \\
 -2\sqrt{24} \\
 -2\sqrt{4 \cdot 6} \\
 -2 \cdot 2 \cdot \sqrt{6} \\
 \textcircled{2}\sqrt{6} - \textcircled{4}\sqrt{6} \\
 -2\sqrt{6}
 \end{array}$$

$$\begin{array}{l}
 -\sqrt{12} + 3\sqrt{3} \\
 \downarrow \\
 -1\sqrt{12} \\
 -1\sqrt{4 \cdot 3} \\
 -1 \cdot 2 \cdot \sqrt{3} \\
 \textcircled{-2}\sqrt{3} + \textcircled{3}\sqrt{3} \\
 1\sqrt{3}
 \end{array}$$

$$\begin{array}{r}
 1 \\
 4 \\
 9 \\
 \hline
 16 \\
 25 \\
 36 \\
 : \\
 : \\
 :
 \end{array}$$