

$$\begin{aligned}2\sqrt{x+3} - 3\sqrt{x-2} &= 0 \\2\sqrt{x+3} &= 3\sqrt{x-2} \text{ quadrieren} \\4(x+3) &= 9(x-2) \\12+18 &= (9-4)x \\30 &= 5x\end{aligned}$$