The Complex Radical Quotient Rule

This rule refers to radical division when there are numbers in front of the $\sqrt{}$ s, like so:

$$\frac{7\sqrt{8}}{3\sqrt{2}}$$

You use this rule to simplify a problem by breaking the numbers in front of the $\sqrt{}$ s into their own fraction and the $\sqrt{}$ s into their own:

$$\frac{7\sqrt{8}}{3\sqrt{2}} \rightarrow \left(\frac{7}{3}\right)\left(\frac{\sqrt{8}}{\sqrt{2}}\right)$$

And that's it, because you are only SIMPLIFYING.