$$\frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}} (a, b > 0)$$

$$\left(\frac{\sqrt{a}}{\sqrt{b}}\right)^2$$

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$$\left(\frac{\sqrt{a}}{\sqrt{b}}\right)^2 = \frac{\left(\sqrt{a}\right)^2}{\left(\sqrt{b}\right)^2}$$

$$\frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}} (a, b > 0)$$

$$\left(\frac{\sqrt{a}}{\sqrt{b}}\right)^2 = \frac{(\sqrt{a})^2}{(\sqrt{b})^2}$$
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$$\therefore \frac{\sqrt{a}}{\sqrt{b}} = \sqrt{\frac{a}{b}} \quad (a, b > 0)$$

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## github:

https://min7014.github.io/math20200105002.html

Click or paste URL into the URL search bar, and you can see a picture moving.