

$$\sqrt{14} \times \sqrt{14} = 14$$

$$\sqrt{14} \times \sqrt{14} = 14$$

③

$$\frac{14 \times 14}{14 \times 14} = 1$$

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$$14 \times 14 = 196$$

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④

$$(a^2 + b^2 - 2ab)(a^2 + b^2 + 2ab) = (a^2 - b^2)^2$$

$$[(a^2 + b^2 - 2ab)(a^2 + b^2 + 2ab)]^2 \rightarrow [(a^2 - b^2)^2]^2 = (a^2 - b^2)^4$$

$$(a^2 - b^2)^4$$

⑤

$$\sqrt{14} \times \sqrt{14} = 14$$

$$(14 \times 14) = 196$$

⑥

$$\sqrt{14} \times \sqrt{14} = 14$$

$$(14 \times 14) = 196$$

⑦

$$[14 \times 14] = 196$$

$$14 \times 14 = 196$$

$$14 \times 14 = 196$$

7

$$A = \omega \sqrt{\epsilon^2 \sqrt{19} \times \left(\frac{1}{\epsilon}\right)^{\frac{1}{2}}}$$

$$\sqrt[10]{\frac{9}{\epsilon} \times \frac{\epsilon}{\epsilon}} \rightarrow \sqrt[10]{\frac{9}{\epsilon^2}} = \frac{9^{\frac{1}{10}}}{\epsilon^{\frac{2}{10}}} = \frac{9^{\frac{1}{10}}}{\epsilon^{\frac{1}{5}}}$$

$$\left(\frac{9}{\epsilon}\right)^{\frac{1}{10}} \rightarrow \left(\frac{1}{\epsilon}\right)^{\frac{1}{10}} \rightarrow \sqrt[10]{\frac{1}{\epsilon}} = \frac{1}{\epsilon^{\frac{1}{10}}}$$

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$$\sqrt[10]{a} = \epsilon \sqrt[10]{\frac{10}{a}}$$

$$\frac{\sqrt[10]{a}}{\sqrt[10]{a^{10}}} = \epsilon \sqrt[10]{\frac{1}{a^9}} \rightarrow \sqrt[10]{\frac{1}{a^9}} = \frac{1}{a^{\frac{9}{10}}} = \frac{1}{a^{\frac{1}{10}}}$$

$$\frac{\omega \sqrt[10]{\frac{10}{a}}}{1 + \sqrt[10]{\frac{10}{a}}} \times \frac{1 - \sqrt[10]{\frac{10}{a}}}{1 - \sqrt[10]{\frac{10}{a}}} \rightarrow \frac{1}{a^{\frac{1}{10}}} = \frac{1}{a^{\frac{1}{10}}}$$

$$\sqrt[10]{a} = \epsilon \sqrt[10]{\frac{10}{a}}$$

10

$$\left(\sqrt{x+a} - \sqrt{x-\epsilon} \right) \left(\sqrt{x+a} + \sqrt{x-\epsilon} \right) = \frac{x+a - (x-\epsilon)}{\epsilon} = \frac{a+\epsilon}{\epsilon}$$

$$\sqrt{x+a} - \sqrt{x-\epsilon} = \frac{a+\epsilon}{\epsilon}$$

$$\sqrt{x+a} = \frac{a+\epsilon}{\epsilon} + \sqrt{x-\epsilon}$$

$$\sqrt{x+a} = \frac{a+\epsilon}{\epsilon} + \sqrt{x-\epsilon}$$

$$\frac{\sqrt{r} + \sqrt{a}}{\sqrt{1.} + r} = \frac{\sqrt{r} + \sqrt{a}}{\sqrt{r}(\sqrt{a} + \sqrt{r})} = \frac{1}{\sqrt{r}}$$

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$$(\sqrt{r - \sqrt{a}} - \sqrt{r + \sqrt{a}})^2 = r - \sqrt{a} + r + \sqrt{a} - 2\sqrt{r - \sqrt{a}}\sqrt{r + \sqrt{a}} = 4 - 2 = 2$$

$$\underbrace{\hspace{10em}}_b \rightarrow b^2 = 2 \xrightarrow{b < 0} b = -\sqrt{2} \rightarrow \frac{1}{\sqrt{r}} \times (-\sqrt{r}) = -1$$