

$$\frac{1}{\sqrt{x^2+1}} + \frac{1}{\sqrt{-x^2+3x}} \qquad [0 < x < 3]$$

$$\begin{cases}
x^2 + 4 > 0 & \begin{cases}
x \in \mathbb{R} \\
x^2 - 3 \times 0 & \\
x^2 - 3 \times 0 & \\
x \times (x - 3) < 0
\end{cases}$$

$$x \times (x - 3) < 0$$

$$x \times (x -$$

 $\frac{246}{\sqrt{18} \cdot \sqrt{2}} = \sqrt{18 \cdot 2} = \sqrt{36} = 6$ Stens indice

Supplies:
$$(\sqrt{18} \cdot \sqrt{2})^2 = (\sqrt{18})^2 \cdot (\sqrt{2})^2 = 18 \cdot 2 = 36$$

$$251 \sqrt[3]{\frac{2}{5}} \cdot \sqrt[3]{\frac{25}{8}} = \sqrt[3]{\frac{2}{5}} \cdot \sqrt[3]{5} = \sqrt[3]{4}$$

$$262 \sqrt[4]{12} : \sqrt[4]{3} = \sqrt[4]{12 : 3} = \sqrt[4]{4} =$$

$$= \sqrt{2} = \sqrt{2}$$

$$\frac{x-2}{x+3}: \sqrt{\frac{x^2-4}{x+3}} = \sqrt{\frac{x-2}{x+3}} = \sqrt{\frac{x-$$

$$= \sqrt{\frac{x-2}{x+3}} \cdot \frac{x+3}{(x+2)(x-2)} = \sqrt{\frac{1}{x+2}}$$

$$2777 \sqrt{2} \cdot \sqrt{2} = \sqrt{2^3} \cdot \sqrt{2^2} = \sqrt{2^3 \cdot 2^2} = \sqrt{2^5} = \sqrt{32}$$

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$$\frac{3}{\sqrt{\frac{1}{2}}} \cdot \sqrt[4]{\frac{2}{3}} = \frac{12\sqrt{1^4}}{2^4} + \frac{12\sqrt{2^3}}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{2^3}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{2^3}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{2^3}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{12\sqrt{1}}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{12\sqrt{1}}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{12\sqrt{1}}{3^3} = \frac{12\sqrt{1}}{2^{4/3}} = \frac{12\sqrt{1}}$$

$$= \sqrt{\frac{12}{54}}$$

$$292 \sqrt{x^9 y^3} : \sqrt[3]{x^5 y}$$

292
$$\sqrt{x^9 y^3} : \sqrt[3]{x^5 y}$$
 $\left[\sqrt[6]{x^{17} y^7}\right]$
293 $\sqrt{x^2 y^5} \cdot \sqrt[3]{xy}$ $\left[\sqrt[6]{x^8 y^{17}}\right]$

232)
$$\sqrt{x^3y^3}: \sqrt[3]{x^5y} = \sqrt[6]{x^2y^3}: \sqrt[6]{x^0y^2} =$$

$$= \sqrt{\frac{\times^{2} + \frac{17}{3} \cdot 3^{2}}{\times^{10} \cdot 3^{2}}} = \sqrt{\times^{17} \cdot 9^{7}}$$

293)
$$\sqrt{x^2y^5} \cdot \sqrt[3]{xy} = \sqrt[6]{x^6y^{15}} \cdot \sqrt[6]{x^2y^2} = \sqrt[6]{x^8y^{17}}$$

 $295 \quad \sqrt{a^4b^6} : \sqrt[6]{a^9b^3} =$

$$= \sqrt{a^2 l^{18}} : \sqrt{a^3 l^3} = \sqrt{a^3 l^{155}} = \sqrt{a l^5}$$