

(6) $(\sqrt{8}^{7} - \sqrt{27}^{7})^{2} = (\sqrt{8}^{7})^{2} - 2\sqrt{8}^{7} \cdot \sqrt{27}^{7} + (\sqrt{27}^{7})^{2} = (\sqrt{2}^{3})^{2} - 2\sqrt{2}\sqrt{3} \cdot 3^{3} + (\sqrt{3}^{3})^{2} = (\sqrt{2}^{6})^{2} - 2\sqrt{6}^{3} \cdot 4 + (\sqrt{3}^{3})^{2} = \sqrt{2}^{6} \cdot 2 + \sqrt{3}^{6} \cdot 4 + \sqrt{3}^{6} \cdot 4 = 2 - 2 \cdot 6^{4/2} + 3 = 5 - 2 \cdot 6^{4/2}$ = $(5) - 2\sqrt{6}$ $4. x^{-0,75} = 108$ $x^{-3/4} = 108 = 27$ $\begin{pmatrix} 3/4 \\ \chi \end{pmatrix} = \begin{pmatrix} 1 \\ 27 \end{pmatrix}$ $\left(x^{3}\right)^{\frac{1}{3}} = \left(\frac{1}{27^{4}}\right)^{\frac{1}{3}}$ = 1 $2 = \begin{pmatrix} 1 \\ 81 \end{pmatrix}$ 1- 3.8.