

Kapitel 4

Nr.	Lösung	Anmerkung
122	a) $\sqrt[3]{a^3} = a$ b) $\sqrt[3]{27} = 3$ c) $\sqrt[3]{125t^9} = 5t^3$	weil $a^3 = a^3$ weil $3^3 = 27$ weil $(5t^3)^3 = 125t^9$
123	a) $\sqrt[3]{48a^6} = \sqrt[3]{6 \cdot 8a^6} = 2a^2 \cdot \sqrt[3]{6}$ b) $\sqrt[3]{\frac{81x^{12}}{x^{18}}} = \sqrt[3]{\frac{27 \cdot 3}{x^6}} = \frac{3 \cdot \sqrt[3]{3}}{x^2}$	