

Potenzen mit rationalen Exponenten
Lösungen

1. $3^{\frac{7}{12}}$
2. $3^{x+\frac{1}{2}}$
3. $x^{n+\frac{1}{n}}$
4. $y^{-\frac{1}{6}} = \frac{1}{\sqrt[6]{y}}$
5. 4
6. $3^{\frac{3}{5}}$
7. $\frac{1}{2}$
8. 5^n
9. s^{4n}
10. t^6
11. $6^{\frac{1}{3}}$
12. $(\frac{2}{3})^{\frac{2}{3}}$
13. $x^{\frac{1}{3}} = \sqrt[3]{x}$
14. $(\frac{9}{2})^{\frac{1}{n}} = \sqrt[n]{\frac{9}{2}}$
15. $a^{\frac{m}{4}}$
16. a^2b
17. y
18. $\frac{b}{a^2}$
19. x^2
20. y
21. $a^{\frac{1}{2}} - a^{\frac{5}{6}}$
22. $a^{\frac{1}{5}}b^{\frac{4}{5}} - a^{\frac{9}{5}}$
23. $x^{\frac{1}{2}}z^{-\frac{1}{2}}$
24. $\mathbb{L} = \{9\}$
25. $\mathbb{L} = \{32\}$
26. $\mathbb{L} = \{-9, 9\}$
27. x
28. 1