

6.6 Lösungen

1. $(b^3)^4 = \underline{\underline{b^{12}}}$

2. $(n^x)^2 = \underline{\underline{n^{2x}}}$

3. $\frac{343}{216}$

4. $\underline{\underline{-x^{-6}}} = -\frac{1}{\underline{\underline{x^6}}}$

5. $\frac{1}{\underline{\underline{3}}}$

6. $\frac{8}{\underline{\underline{x^6}}}$

7. $\frac{1}{\underline{\underline{64}}}$

8. $\underline{\underline{a^{3n-3}}}$

9. $\underline{\underline{5}}$

10. $\underline{\underline{2187a^7x^{21}}}$

11. $\underline{\underline{b^{-nx}}}$

12. $\underline{\underline{b^{4x}}}$

13. $\underline{\underline{x^{30}}}$

14. $\frac{a^5}{\underline{\underline{b^8}}}$

15. $\underline{\underline{\left(\frac{5a}{4c}\right)^{bx}}}$

16. $\underline{\underline{-21\frac{119}{240}}}$

17. $\underline{\underline{n^{8x-a}}}$

18. $\underline{\underline{(a+b)^{6a+3}}}$

19. $\underline{\underline{b^{2a}}}$

20. $\underline{\underline{-6 \cdot (n+x)^{7-2a}}}$

21. $\frac{c \cdot x^2}{\underline{\underline{n \cdot b^2}}}$

22. $\frac{9b^5}{\underline{\underline{4ad^9}}}$

23. $\frac{b^2 \cdot c^7 \cdot d}{\underline{\underline{3a}}}$

24. $\underline{\underline{a^6}}$

25. $\frac{1}{\underline{\underline{a^{-4} + 2a^{-2} \cdot b^{-3} + b^{-6}}}}$ oder $\underline{\underline{\left(\frac{a^2 \cdot b^3}{a^2 + b^3}\right)^2}}$

26. $\underline{\underline{n^{-8}x^{-12}}}$