

Lösen Sie die folgenden Potenzgleichungen!

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|----|-------------------------------------|--|
| 1 | $x^2 = 16$ | |
| 2 | $x^2 = -4$ | |
| 3 | $x^3 = -27$ | |
| 4 | $x^4 = 625$ | |
| 5 | $\frac{1}{x^4} = 81 \quad x \neq 0$ | |
| 6 | $x^5 = \frac{32}{3125}$ | |
| 7 | $x^3 = 216 \quad x \neq 0$ | |
| 8 | $x^{-6} = -64 \quad x \neq 0$ | |
| 9 | $-4x^2 + 6 = -94$ | |
| 10 | $3x^3 - 7 = 11$ | |
| 11 | $4x^{-4} + 8 = 16$ | |
| 12 | $\sqrt[5]{x} = 9$ | |
| 13 | $x^{\frac{5}{4}} = 5$ | |
| 14 | $x^{\frac{4}{5}} = 7$ | |
| 15 | $x^{\frac{-4}{3}} = 18$ | |