

## SEMPLIFICAZIONE DI RADICALI IN $\mathbb{R}_0^+$

1.  $\sqrt[4]{\frac{25}{16}} =$                        $\sqrt[6]{\frac{125}{27}} =$
2.  $\sqrt[4]{5^2 - 4^2} =$                        $\sqrt[12]{12^2 + 5^2} =$
3.  $\sqrt[8]{\frac{1}{16}} =$                        $\sqrt[4]{\frac{81}{16}} =$                        $\sqrt[6]{\frac{8}{27}} =$
4.  $\sqrt[3]{0,008} =$                        $\sqrt[6]{0,04} =$                        $\sqrt[8]{0,01} =$
5.  $\sqrt[4]{\left(2 - \frac{2}{9}\right)^2} =$                        $\sqrt[6]{3 + \frac{1}{4} + \frac{1}{8}} =$
6.  $\sqrt[6]{\frac{1}{5}\left(1 - \frac{6}{5} + \frac{6}{25}\right)} =$
7.  $\sqrt[12]{\left(1 + \frac{1}{2}\right)\left(2 + \frac{1}{4}\right)} =$
8.  $\sqrt[4]{2^4 \cdot 5^8} =$                        $\sqrt[3]{2^9 \cdot 3^6} =$
9.  $\sqrt[6]{9a^4} =$                        $\sqrt[9]{27a^3} =$
10.  $\sqrt[6]{36x^4y^6z^2} =$
11.  $\sqrt[4]{0,09x^4(x-y)^8} =$
12.  $\sqrt[6]{0,008a^3b^{15}} =$
13.  $\sqrt[6]{9x^4y^8} =$                        $\sqrt[3]{8a^6b^9} =$
14.  $\sqrt[6]{4a^2(a^2b^2 + 1 - 2ab)^2} =$
15.  $\sqrt[4]{a^4 + a^2 + \frac{1}{4}} =$
16.  $\sqrt[4]{\frac{a^5 + 4a^3 + 4a}{a^3b^6}} =$
17.  $\sqrt[6]{\frac{81x^4y^{10}}{9x^4 + 6x^2 + 1}} =$
18.  $\sqrt[8]{1 + \frac{2x^2 + 1}{x^4}} =$
19.  $\sqrt[9]{\frac{(1-x)^4}{(1-x^2)(x+1)^5}} =$
20.  $\sqrt[6b]{5^{4b}x^{12b}y^{2b}} =$
21.  $\sqrt[n]{(a+2b)^{2n^2}} =$
22.  $a^2 + a\sqrt{m^{a^2-1}n^{2a+2}} =$
23.  $x-y\sqrt{\frac{2^{x^2+y^2}}{4^{xy}}} =$
24.  $x^2 - y^2\sqrt{\frac{2^{x-y}a^{x^2}}{a^{2xy-y^2}}} =$
25.  $\sqrt[n]{(x^4 + 2x^2y^2 + y^4)^{n^2}} =$
26.  $x^{-1}\sqrt{\frac{a^{3x^2}a^2}{a^{2x^2}a^{2x+1}}} =$