	semplifica i seguenti radicali (in R+)				
1	$\sqrt{a^4b^8c^6}$	$a^2b^4c^3$			
2	$\sqrt[3]{a^9b^6t^{12}}$	$a^3b^2t^4$			
3	$\sqrt[24]{x^4z^{12}y^8}$	$\sqrt[6]{x z^3 y^2}$			
4	$\sqrt[10]{3^6 \ 2^4 \ 5^2}$	$\sqrt[5]{3^3 \ 2^2 \ 5}$			
5	$\sqrt[12]{64 \ a^6 b^6}$	$\sqrt{2ab}$			
6	$\sqrt[7]{x^{14}y^{42}z^{28}}$	$x^2y^6z^4$			
7	$\sqrt[4]{9a^2 - 12ab + 4b^2}$	$\sqrt{3a-2b}$			
8	$\sqrt[6]{4x^4 - 20xy^3 - 20x^3y + 33x^2y^2 + 4y^4}$	$\sqrt[3]{(x-2y)(y-2x)}$			
9	$\int_{0.5}^{5a} x^{25a^2} y^{10a^3} (x - y)^{15a}$	$x^{5a}y^{2a^2}(x-y)^3$			
10	$\sqrt[8]{\frac{16x^{20}y^{16}(x-y)^8}{81(a-c)^4}}$	$\sqrt{\frac{2x^5y^4(x-y)^2}{3(a-c)}}$			
11	$\sqrt[x^2-y^2]{\frac{a^2xy-y^2}{b^{x-y}a^{x^2}}}$	$\sqrt[x+y]{\frac{1}{b \ a^{x-y}}} = \sqrt[x+y]{\frac{a^{y-x}}{b}}$			
12	$\sqrt[9]{\frac{(x+1)^3}{8a^6b^3}}$	$\sqrt[3]{\frac{x+1}{2 a^2 b}}$			
13	$\sqrt[n]{\frac{(a+2b)^{2n^2}}{(a-b)^{3n} c^{n^2+n}}}$	$\frac{(a+2b)^{2n}}{(a-b)^3 c^{n+1}}$			

$$\sqrt[3]{(x+y)^2(x-y)}$$

	V			
	riduci allo	uenti gruppo di radica	li (in R ⁺)	
15	³ √16	$\sqrt[2]{27}$	∜125	$\sqrt[12]{2^{16}}$ $\sqrt[12]{3^{18}}$ $\sqrt[12]{5^9}$
16	$\sqrt[5]{ab}$	$\sqrt[10]{a^3b^2}$	$\sqrt[15]{a^2b^3}$	$\sqrt[30]{a^6b^6}$ $\sqrt[30]{a^9b^6}$ $\sqrt[30]{a^4b^6}$
17	$\sqrt[2]{a^3+b^2}$	$\sqrt[12]{a^2 - b^2}$	$\sqrt[6]{a^2 - ab}$	$\sqrt[12]{(a^3+b^2)^6} \sqrt[12]{a^2-b^2} \sqrt[12]{(a^2-ab)^2}$
18	$ \sqrt[n]{\frac{x+y}{xy^2}} $	$\sqrt[2n]{\frac{x^2 + y^2}{xy}}$	$\sqrt[3n]{\frac{1+x}{x^2y}}$	$ \frac{6n\sqrt{\frac{(x+y)^6}{x^6y^{12}}}}{\sqrt[3]{6n\sqrt{\frac{(x^2+y^2)^3}{x^3y^3}}}} 6n\sqrt{\frac{(1+x)^2}{x^4y^2}} $
19	$\sqrt[8]{\frac{(1-a)^2}{1+a}}$	$\sqrt[4]{\frac{a+1}{(a-1)^2}}$	$\sqrt[6]{\frac{(a-1)^2}{(a+1)^3}}$	$\sqrt[24]{\frac{(1-a)^6}{(1+a)^3}} \ \sqrt[24]{\frac{(1+a)^6}{(a-1)^{12}}} \ \sqrt[24]{\frac{(a-1)^8}{(a+1)^{12}}}$
	trasp	orta i fattori fuori	dal segno di radice (i	$n R^+$

tras	porta i	fattori	fuori	dal	segno	di radice	(in R	(+)

20	$\sqrt[3]{a^4b^5c}$	$ab\sqrt[3]{a\ b^2c}$
21	$\sqrt[2]{\frac{8}{81}}$	$\frac{2}{9}\sqrt{2}$
22	$\sqrt{4x^4-4x^2}$	$2x\sqrt[2]{x^2-1}$
23	$\sqrt[5]{x^6y^8z^{11}t^{23}}$	$xy z^2 t^4 \sqrt[5]{x y^3 z t^3}$
24	$\sqrt[3]{\frac{(e^3+3e^2+3e+1)i^7}{c^4t^2}}$	$\frac{(e+1)i^2}{c} \sqrt[3]{\frac{i}{ct^2}}$
25	$\sqrt[4]{\frac{64}{a^5b^6} - \frac{16}{a^7b^4}}$	$\frac{2}{ab} \sqrt[4]{\frac{4a^2 - b^2}{a^3b^2}}$

Algebra	Radicali	PASSED

26	$\frac{1}{2} \sqrt[4]{\frac{x^{36} y^{71} z^{25}}{64 a^{19} b^{13} c^{50}}}$	$\frac{x^9 y^{17} z^6}{4a^4 b^3 c^{12}} \sqrt[4]{\frac{y^3 z}{4a^3 b c^2}}$
27	$\sqrt[5]{\frac{n^3 m^{10} l^8}{(l-1)^{20}}}$	$\frac{m^2 l}{(l-1)^4} \sqrt[5]{n^3 l^3}$
28	$\sqrt[3]{243x^7y^6 - 243x^8y^5}$	$3x^2y\sqrt[3]{9xy^2(y-x)}$
29	$\sqrt[2]{\frac{(a-b)^6 a^8 b^9}{32(2a-3b)^7}}$	$\frac{(a-b)^3 a^4 b^4}{4(2a-3b)^3} \sqrt{\frac{b}{2(2a-b)}}$
30	$\sqrt{\frac{a^3x^2 + a^3y^2 - 2a^3x y}{4b^5x^2 + 4b^5y^2 + 8b^5x y}}$	$\frac{a(x-y)}{2b^2(x+y)}\sqrt{\frac{a}{b}}$
31	$\sqrt[5]{\frac{128 a^{12} b^9}{c^{15} d^{17}}}$	$\frac{2a^2b}{c^3d^3} \int_{0}^{5} \frac{4a^2b^4}{d^2}$
32	$\sqrt[n]{2^{n+2} b^{n+1} a^{3n}}$	$2a^3b\sqrt[n]{4b}$
33	$\sqrt[t+1]{\frac{w^t \ k^{2t+2} \ s^{3t+3}}{5^{t+2} \ r^{t^2-1}}}$	$\frac{k^2 s^3}{5 r^{t-1}} \sqrt[t]{\frac{w^t}{5}}$
	trasporta i fattori sotto il segno di radice (in	(R^+)
34	$\left(\frac{3}{2}-1\right)\sqrt{\frac{8}{5}}$	$\sqrt{\frac{2}{5}}$
35	$\frac{2}{3}\sqrt[3]{\frac{2}{3}}$	$\sqrt[3]{\frac{16}{81}}$
36	$x^2y^3\sqrt{x^3y^2}$	$\sqrt{x^7y^8}$
37	$\left(\sqrt{2}+\sqrt{3}\right)\sqrt{5-2\sqrt{6}}$	1

Aigebro	Nadicali	1 40050
38	$(a-b)^2 c^3 \sqrt[5]{(a-b)c^2}$	$\sqrt[5]{(a-b)^{11} c^{17}}$
39	$\frac{a^2 b}{c^3} \sqrt[4]{\frac{3a^2c^{11}}{b^4}}$	$\sqrt[4]{\frac{3a^{10}}{c}}$
40	$\frac{1}{(4-x)(y-3)}\sqrt{(x-4)(y-3)}$	$-\sqrt{\frac{1}{(x-4)(y-3)}}$
41	$a^{2n} b^{n+1} c \sqrt[3]{\frac{a^6 c^n}{b^{3n}}}$	$\sqrt[3]{a^{6(n+1)}b^3c^{n+3}}$
42	$\frac{\pi}{e} \sqrt[n]{\frac{e^{n+1}}{\pi^{n-1}}}$	$\sqrt[n]{e \pi}$
43	$\frac{a^2 - b^2}{x^2 y^4 - x^4 y^2} \sqrt[3]{\frac{x^6 y^8 (y+x)^3}{(a-b)^4 (a+b)^3}}$	$\sqrt[3]{\frac{y^2}{(a-b)(y-x)^3}}$
	esegui la potenza dei seguenti radicali (in R	+)
44	$\left(\sqrt{a^2b^3\ c}\right)^3$	$a^3b^4c\sqrt{bc}$
45	$\left(\sqrt[3]{\frac{x^2 y}{4}}\right)^2$	$\frac{x}{2} \sqrt[3]{\frac{xy^2}{2}}$
46	$\left(\frac{2}{5}\sqrt{\frac{75}{8}}\right)^4$	<u>9</u>
47	$\left(\sqrt[4]{\frac{27a^3b\ c^2}{x^4y^5}}\right)^2$	$\frac{3ac}{x^2y^2}\sqrt{\frac{3ab}{y}}$
48	$\left(\sqrt[5]{\frac{(7-y)}{2}}\right)^5$	$\frac{7-y}{2}$

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49	$\left(\sqrt[mn]{6x^2 y}\right)^{m^2}$	$\sqrt[n]{6^m x^{2m} y^m}$
50	$\left(\sqrt{x-y}\right)^3$	$(x-y)\sqrt{x-y}$
51	$\left(\sqrt[3]{1+ab}\right)^6$	$(1+ab)^2$
52	$\left(\sqrt[n]{5^{n-1} e}\right)^{2n}$	$e^2 25^{n-1}$
53	$\left(\sqrt[10]{\frac{(x+y)^4}{(t-v)^3}}\right)^{15}$	$\frac{(x+y)^6}{(t-v)^4} \sqrt{\frac{1}{t-v}}$
54	$\left(\sqrt[4]{(2a-3)^2(2a+3)^3x^7y^5}\right)^{12}$	$(2a-3)^6(2a+3)^9x^{21}y^{15}$
55	$\left(\sqrt[3]{\frac{x^4 y^2 z^3}{(a-b)^4 u^5}}\right)^4$	$\frac{x^5 y^2 z^4}{(a-b)^5 u^6} \sqrt[3]{\frac{x y^2}{(a-b)u^2}}$
56	$\left(\sqrt{\sqrt{3}+\sqrt{5}}\right)^4$	$2(4+\sqrt{15})$
rid	uci ad un'unica radice i seguenti radicali e trasporta fuori il segno di i	radice se possibile $(in R^+)$
57	$\sqrt[3]{\sqrt{2a}}$	⁶ √2 <i>a</i>
58	$\sqrt[4]{\sqrt{\frac{5xy}{z}}}$	$\int_{12}^{12} \frac{5xy}{z}$
59	$\sqrt[5]{\sqrt[3]{25(x+z)}}$	$\sqrt[15]{25(x+z)}$
60	$\sqrt[3]{\sqrt[4]{x^{17}y^{36}}}$	$xy^3 \sqrt[12]{x^5}$

Algebro	Radicali	PASSED
61	$\sqrt{\frac{1}{2}}\sqrt[3]{4\sqrt{\frac{1}{4}}}$	$\sqrt[3]{\frac{1}{2}}$
62	$\sqrt{\sqrt{a^8b^7c^6}}$	$a^2b c \sqrt[4]{b^3c^2}$
63	$\sqrt[5]{z^2 \sqrt[7]{z^3}}$	$\sqrt[35]{z^{17}}$
64	$\sqrt{a^2b^3 \sqrt[3]{a^3b^2}}$	$ab\sqrt[6]{a^3b^5}$
65	$\sqrt[3]{\sqrt{\chi}}$	$\sqrt[6]{x}$
66	$\sqrt[5]{x\sqrt{x}}$	$\sqrt[10]{\chi^3}$
67	$\sqrt[4]{\frac{a-b}{bc}\sqrt{\frac{b^3c}{a-b}}}$	$\sqrt[8]{\frac{b(a-b)}{c}}$
68	$\sqrt{x^2y^2\sqrt{\frac{1}{x^2y^2}\sqrt{xy}}}$	$\sqrt[8]{x^5y^5}$
69	$\sqrt[3]{(x+y)^{3}\sqrt{\frac{(x-y)}{(x+y)^{2}}}};$	$\sqrt[9]{x^2-y^2}$
70	$\sqrt[n+1]{n-1}\sqrt{a^{n^2-1}}$	а
71	$\sqrt[3]{(a+b)^2 \sqrt{(a+b)}\sqrt[3]{(a+b)}}$	$\sqrt[9]{(a+b)^8}$

	esegui la somma algebrica dei radicali (in R+)				
72	$3\sqrt{5} - 2\sqrt{5} - 5\sqrt{5} + 10\sqrt{2}$	$-4\sqrt{5}+10\sqrt{2}$			
73	$3\sqrt{2} - 6\left(\sqrt{2} + \sqrt{3}\right) + 5\sqrt{3}$	$-\left(3\sqrt{2}+\sqrt{3}\right)$			
74	$2(\sqrt{5} + \sqrt{3}) - 8\sqrt{5} - 2\sqrt{3} + 7\sqrt{5}$	$\sqrt{5}$			
75	$3\sqrt{2} + 4\sqrt{8} - \sqrt{50}$	$6\sqrt{2}$			
76	$2\sqrt{27} - 5\sqrt{48} + 3\sqrt{75}$	$\sqrt{3}$			
77	$3\sqrt{75} + 2\sqrt{12} - 3\sqrt{48} - 7\sqrt{3}$	0			
78	$2\sqrt{63} + 4\sqrt{12} - 2\sqrt{28} - \sqrt{27}$	$2\sqrt{7}+5\sqrt{3}$			
79	$\frac{3}{4}\sqrt{\frac{45}{2}} + \frac{1}{3}\sqrt{\frac{125}{2}} - \frac{2}{5}\sqrt{\frac{490}{4}}$	$\frac{67}{60}\sqrt{\frac{5}{2}}$			
80	$\sqrt[3]{16} + \sqrt[3]{54} - \sqrt[3]{250}$	0			
81	$\sqrt[3]{128} + \sqrt[3]{16} - 3\sqrt[3]{250} - \sqrt[3]{54}$	$-12\sqrt[3]{2}$			
82	$\sqrt{72} - \sqrt{18} + \sqrt{12} - \sqrt{48} + \sqrt{2}$	$2(2\sqrt{2}-\sqrt{3})$			
83	$\sqrt[3]{243} - 2\sqrt{125} - \sqrt[3]{72} + 3\sqrt{45} + 2\sqrt[3]{9} - \sqrt{20}$	$3\sqrt[3]{9} - 3\sqrt{5}$			
84	$\frac{3\sqrt[3]{1}}{4\sqrt[3]{2}} + \frac{1\sqrt[3]{54}}{2\sqrt[3]{4}} - \frac{2\sqrt[3]{125}}{5\sqrt[3]{16}}$	$\frac{5}{4}\sqrt[3]{\frac{1}{2}}$			

85	$\frac{1}{2}\sqrt[3]{a^2b} + 3\sqrt[3]{a^5b} - \frac{1}{3}\sqrt[3]{a^5b} - \frac{3}{4}\sqrt[6]{a^4b^2}$	$\frac{8}{3}a\sqrt[3]{a^2b} - \frac{1}{4}\sqrt[3]{a^2b}$
86	$2\sqrt{a} + \frac{1}{2}(\sqrt{a} - \sqrt{b}) + 4(\sqrt{b} + 2\sqrt{a}) + \frac{3}{2}(\sqrt{a} + \sqrt{b})$	$12\sqrt{a} + 5\sqrt{b}$
87	$5\sqrt[3]{a-b} + (x-2)\sqrt[5]{a+b} + 4(\sqrt{ab} - \sqrt[3]{a-b}) - 4\sqrt{ab} + 2\sqrt[5]{a+b}$	$\sqrt[3]{a-b} + x\sqrt[5]{a+b}$
88	$5\left(\sqrt{ab^2} - \sqrt[3]{a^2b}\right) - 8\sqrt{ab^2} + 3 - 6\left(\sqrt[3]{a^2b} + 1 + \sqrt{a}\right) + 3\sqrt{a}$	$-3(\sqrt{ab^{2}} + \sqrt{a} + 1) - 11\sqrt[3]{a^{2}b}$
89	$\sqrt{a^3 + 3a^2b + 3ab^2 + b^3} - \sqrt{a^3 + a^2b} + \frac{1}{2}\sqrt{4ab^2 + 4b^3} - 2b\sqrt[4]{a^2 + 2ab + b^2}$	0
90	$2a - \frac{1}{2}\sqrt[3]{128a^5} - \frac{2}{3}\sqrt[3]{27a^3} + \sqrt[3]{2a^2} + \sqrt[3]{54a^2x^3} + \sqrt[3]{16a^5}$	$(1+3x)\sqrt[3]{2a^2}$
	sviluppa i seguenti prodotti notevoli tra radicali	$(in R^+)$
91	$(\sqrt{7}-2)(\sqrt{7}+2)$	3
92	$(3\sqrt{5}-4\sqrt{2})(3\sqrt{5}+4\sqrt{2})$	13
93	$\left(\sqrt{a}+2\sqrt{b}\right)^2$	$a + 4b + 4\sqrt{ab}$
94	$\left(\sqrt{11}-\sqrt{3}\right)^2$	$2(7-\sqrt{33})$
95	$\left(\sqrt{x} + \frac{1}{\sqrt{x}}\right)^2$	$\frac{(x+1)^2}{x}$
96	$\left(\sqrt[4]{x} - 3\sqrt[6]{y}\right)^2$	$\sqrt{x} + 9\sqrt[3]{y} - 6\sqrt[12]{x^3y^2}$
97	$\left(3+\sqrt{5}\right)^2$	$14 + 6\sqrt{5}$
98	$\left(\sqrt{7}-2\sqrt{3}\right)^2$	$19 - 4\sqrt{21}$
		

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99	$(a\sqrt{b}-c\sqrt{d})(a\sqrt{b}+c\sqrt{d})$	$a^2 b - c^2 d$
100	$\left(\frac{1}{2}\sqrt{2x} - \frac{2}{3}\sqrt{x}\right)\left(\frac{1}{2}\sqrt{2x} + \frac{2}{3}\sqrt{x}\right)$	<u>x</u> 18
101	$\left(\sqrt{5}-\sqrt{3}+\sqrt{2}\right)^2$	$10 - 2\sqrt{15} + 2\sqrt{10} - 2\sqrt{6}$
102	$\left(\sqrt{x}+3\right)^3$	$x\sqrt{x} + 27 + 9x + 27\sqrt{x}$
103	$\left(2\sqrt[3]{a}-3\sqrt[6]{b}\right)^3$	$8a - 27\sqrt{b} - 36\sqrt[6]{a^4b} + 54\sqrt[3]{ab}$
	razionalizza i denominatori delle seguenti frazioni	$(in R^+)$
104	$\frac{2}{\sqrt{2}}$	$\sqrt{2}$
105	$\frac{1}{\sqrt{5}}$	√ <u>5</u> 5
106	$\frac{2}{\sqrt{12}}$	$\frac{\sqrt{3}}{3}$
107	$\frac{2\sqrt{7}}{\sqrt{20}}$	$\frac{\sqrt{35}}{5}$
108	$\frac{2\sqrt{3}}{\sqrt{18}}$	$\frac{\sqrt{6}}{3}$
109	$\frac{8\sqrt{5}}{3\sqrt{28}}$	$\frac{4\sqrt{35}}{21}$
110	$\frac{2\sqrt{15}}{3\sqrt{75}}$	2√ <u>5</u> 15
111	$\frac{\sqrt[3]{3}}{\sqrt{5}}$	$\frac{\sqrt[6]{1125}}{5}$
112	$\frac{\sqrt{5}-\sqrt{3}}{3\sqrt{2}}$	$\frac{\sqrt{10} - \sqrt{6}}{6}$

Algebra	Radicali	PASSED
113	$\frac{2\sqrt{2}-3\sqrt{5}}{2\sqrt{3}}$	$\frac{2\sqrt{6}-3\sqrt{15}}{6}$
114	$\frac{2\sqrt{40} - 3\sqrt{8} - \sqrt{5}}{6\sqrt{12}}$	$\frac{\sqrt{3}(4\sqrt{10} - 6\sqrt{2} - \sqrt{5})}{36}$
115	$\frac{\sqrt{50} + \sqrt{12} - 3\sqrt{2}}{4\sqrt{8}}$	$\frac{\sqrt{2}(\sqrt{3}+\sqrt{2})}{8}$
116	$\frac{a}{2\sqrt{a}}$	$\frac{\sqrt{a}}{2}$
117	$\frac{a^2 - b^2}{\sqrt{a+b}}$	$(a-b)\sqrt{a+b}$
118	$\frac{4a\sqrt[3]{ab}}{\sqrt{b}}$	$\frac{4a\sqrt[6]{a^2b^5}}{b}$
119	$\frac{a+5}{\sqrt{a+5}}$	$\sqrt{a+5}$
120	$\frac{\sqrt{x} - \sqrt{y}}{\sqrt{y}}$	$\frac{\sqrt{xy}}{y} - 1$
121	$\frac{x-y}{\sqrt{x^2-y^2}}$	$\frac{\sqrt{x^2 - y^2}}{x + y}$
122	$\frac{x^2 + 2x + 1}{\sqrt{x+1}}$	$(x+1)\sqrt{x+1}$
123	$\frac{x^3-8}{\sqrt{x-2}}$	$(x^2+2x+4)\sqrt{x-2}$
124	$\frac{3}{\sqrt{a^3}}$	$\frac{3\sqrt{a}}{a^2}$
125	$\frac{2}{\sqrt[3]{4}}$	³ √2
126	$\frac{2}{3\sqrt[5]{8}}$	$\frac{\sqrt[5]{4}}{3}$

Algebra	Radicali	PASSED
127	$\frac{\sqrt{x^3} \sqrt[14]{x^5}}{x \sqrt[7]{x^6}}$	1
128	$\frac{4\sqrt{3}}{\sqrt[7]{9}}$	4 ¹⁴ √27
129	$\frac{3\sqrt{2}}{4\sqrt[3]{2}}$	$\frac{3\sqrt[6]{2}}{4}$
130	$\frac{12}{7\sqrt[6]{18}}$	2 \(\frac{92592}{7} \)
131	$\frac{X}{\sqrt[4]{XY}}$	$\frac{\sqrt[4]{x^3y^3}}{y}$
132	$\frac{6}{5\sqrt[3]{a^2b}}$	$\frac{6\sqrt[3]{ab^2}}{5ab}$
133	$\frac{8abc}{3\sqrt[4]{a^3b^2c}}$	$\frac{8\sqrt[4]{ab^2c^3}}{3}$
134	$\frac{xy^3z}{\sqrt[5]{x^2y^7z}}$	$y\sqrt[5]{x^3y^3z^4}$
135	$\frac{3ax}{2b\sqrt[5]{a^3x}}$	$\frac{3\sqrt[5]{a^2x^4}}{2b}$
136	$\frac{a^2bxy^3}{\sqrt[6]{a^5x\ y^5}}$	$aby^2 \sqrt[6]{ax^5y}$
137	$\frac{b}{y\sqrt[5]{b^3}}$	$\frac{\sqrt[5]{b^2}}{y}$
138	$\frac{4xy - 4y^2}{2\sqrt[3]{x^2 - 2xy + y^2}}$	$2y \sqrt[3]{x-y}$
139	$\frac{a^2b}{x\sqrt[3]{axb}}$	$\frac{a\sqrt[3]{a^2x^2b^2}}{x^2}$
140	$\frac{4x^2y(x-y)}{\sqrt[3]{16x^4y^2(x-y)^2}}$	$\sqrt[3]{4x^2 y (x-y)}$

Algebra	Radicali	PASSED
141	$\frac{x^3 - y^3}{(x^2 + xy + y^2)\sqrt[4]{x - y}}$	$\sqrt[4]{(x-y)^3}$
142	$\frac{a+b}{\sqrt[5]{a^2+2ab+b^2}}$	$\sqrt[5]{(a+b)^3}$
143	$\frac{(x+y)^2}{\sqrt[4]{x+y}}$	$(x+y)\sqrt[4]{(x+y)^3}$
144	$\frac{a^2 - 1}{\sqrt[3]{(a^2 - 2a + 1)^2}}$	$\frac{(a+1)\sqrt[3]{(a-1)^2}}{a-1}$
145	$\frac{a^2 - b^2}{\sqrt[3]{a+b}}$	$(a-b)\sqrt[3]{(a+b)^2}$
146	$\frac{\sqrt{xy} + \sqrt[3]{xy^2}}{\sqrt[3]{x}\sqrt{y}}$	$\sqrt[6]{x} + \sqrt[6]{y}$
147	$\frac{2}{\sqrt{3}+\sqrt{2}}$	$2(\sqrt{3}-\sqrt{2})$
148	$\frac{5}{4-\sqrt{5}}$	$\frac{5(4+\sqrt{5})}{11}$
149	$\frac{6}{2+\sqrt{2}}$	$3(2-\sqrt{2})$
150	$\frac{6}{\sqrt{6}-\sqrt{2}}$	$\frac{3\sqrt{2}(\sqrt{3}+1)}{2}$
151	$\frac{3\sqrt{3}}{\sqrt{3}-3}$	$-\frac{3(\sqrt{3}+1)}{2}$
152	$\frac{\sqrt{7}+2}{\sqrt{7}-2}$	$\frac{11+4\sqrt{7}}{3}$
153	$\frac{a-b}{b-\sqrt{ab}}$	$-\frac{b+\sqrt{ab}}{b}$
154	$\frac{\sqrt{a} - a\sqrt{a}}{1 - \sqrt{a}}$	$\sqrt{a} + a$

Algebra	Radicali	PASSED
155	$\frac{12}{\sqrt{3}-\sqrt{2}}$	$12\left(\sqrt{3}+\sqrt{2}\right)$
156	$\frac{\sqrt{7} + 2\sqrt{3}}{19 + 4\sqrt{21}}$	$\frac{2\sqrt{3}-\sqrt{7}}{5}$
157	$\frac{\sqrt{a} - \sqrt{2}}{\sqrt{a} + \sqrt{2}}$	$\frac{a+2-2\sqrt{2a}}{a-2}$
158	$\frac{a-b}{\sqrt{a}-\sqrt{b}}$	$\sqrt{a} + \sqrt{b}$
159	$\frac{\sqrt{x} - \sqrt{y}}{\sqrt{x} + \sqrt{y}}$	$\frac{x+y-2\sqrt{xy}}{x-y}$
160	$\frac{8}{\sqrt{2a} + 2b}$	$\frac{4(\sqrt{2a}-2b)}{a-2b^2}$
161	$\frac{\sqrt{x}}{\sqrt{x} - 2\sqrt{y}}$	$\frac{x+2\sqrt{xy}}{x-4y}$
162	$\frac{a-2}{2\sqrt{a}-a\sqrt{2}}$	$-\frac{2\sqrt{a}+a\sqrt{2}}{2a}$
163	$\frac{a + 2\sqrt{ab} + b}{\sqrt{a} + \sqrt{b}}$	$\sqrt{a} + \sqrt{b}$
164	$\frac{a - 5\sqrt{a} + b}{\sqrt{a} - 2}$	$\frac{\sqrt{a}(a-10+b)-3a+2b}{a-4}$
165	$\frac{3ab}{\sqrt{3a}-\sqrt{ab}}$	$\frac{3b(\sqrt{3a}+\sqrt{ab})}{3-b}$
166	$\frac{x^2 - 2xy + y^2}{\sqrt{x} - \sqrt{y}}$	$(x-y)\big(\sqrt{x}+\sqrt{y}\big)$
167	$\frac{ab}{\left(\sqrt{a-b}+\sqrt{a+b}\right)}$	$\frac{-a(\sqrt{a-b}-\sqrt{a+b})}{2}$
168	$\frac{\sqrt{a+b} + \sqrt{a-b}}{\sqrt{a+b} - \sqrt{a-b}}$	$\frac{a + \sqrt{a^2 - b^2}}{b}$

Algebra	Radicali	PASSED
169	$\frac{a+3+2\sqrt{a+2}}{\sqrt{a+2}+1}$	$1 + \sqrt{a+2}$
170	$\frac{a+1}{\sqrt{a+4}-\sqrt{3}}$	$\sqrt{a+4} + \sqrt{3}$
171	$\frac{3b+3}{\sqrt{2b+3}-\sqrt{b+2}}$	$3(\sqrt{2b+3}+\sqrt{b+2})$
172	$\frac{\sqrt{ab}}{\sqrt{a^2b^3} + \sqrt{a^5b}}$	$\frac{b\sqrt{a}-a^2}{(b^2-a^3)a}$
173	$\frac{3\sqrt{3}}{2-\sqrt{2}+\sqrt{3}}$	$\frac{-36\sqrt{2} - 15\sqrt{6} - 27 + 6\sqrt{3}}{23}$
174	$\frac{23\sqrt{6}}{\sqrt{3}-\sqrt{2}-2}$	$9\sqrt{2} - 10\sqrt{3} - 2\sqrt{6} - 24$
175	$\frac{3\sqrt{3}}{2-\sqrt{2}+\sqrt{3}}$	$\frac{36\sqrt{2} - 15\sqrt{6} + 27 + 6\sqrt{3}}{23}$
176	$\frac{1-\sqrt{2}}{\sqrt{2}-\sqrt{3}-\sqrt{5}}$	$\frac{2\sqrt{15} - 6 - \sqrt{30} + 3\sqrt{2} - 2\sqrt{3} + 2\sqrt{6}}{12}$
177	$\frac{1}{\sqrt{3} + \sqrt{5} - \sqrt{2}}$	$\frac{\sqrt{30}-3\sqrt{2}+2\sqrt{3}}{12}$
178	$\frac{4}{\sqrt{2}-\sqrt{3}-\sqrt{6}}$	$\frac{4(7\sqrt{2} - 5\sqrt{3} + \sqrt{6} - 12)}{23}$
179	$\frac{3}{\sqrt{7}-\sqrt{2}+\sqrt{3}}$	$\frac{3(\sqrt{42} - 4\sqrt{2} + 3\sqrt{3} - \sqrt{7})}{10}$
180	$\frac{2\sqrt{2} - \sqrt{3}}{\sqrt{2} - \sqrt{3} + \sqrt{6}}$	$-\frac{17\sqrt{6} - 27\sqrt{2} + 16\sqrt{3} - 43}{23}$
181	$\frac{15\sqrt{2}}{\sqrt{6}+\sqrt{2}-2\sqrt{3}}$	$\frac{15(4+2\sqrt{3}+\sqrt{6}+3\sqrt{2})}{4}$
182	$\frac{2}{\sqrt{3} + \sqrt{5} - \sqrt{2}}$	$\frac{2\sqrt{3}-3\sqrt{2}+\sqrt{30}}{6}$

Algebra	Radicali	PASSED
183	$\frac{\sqrt{2} - \sqrt{3} + 1}{\sqrt{3} + 1 + \sqrt{6}}$	$\sqrt{2} - \sqrt{3} + \sqrt{6} - 2$
184	$\frac{2\sqrt{2} + 3}{\sqrt{6} + \sqrt{3} + \sqrt{2} + 2}$	$\sqrt{6} + \sqrt{3} - \sqrt{2} - 2$
185	$\frac{1}{\sqrt{6}-\sqrt{2}+\sqrt{3}-1}$	$\frac{\sqrt{6}-\sqrt{3}+\sqrt{2}-1}{2}$
186	$\frac{\sqrt{3}}{2-\sqrt{6}-\sqrt{2}+\sqrt{3}}$	$-3\sqrt{2} - 2\sqrt{3} - \sqrt{6} - 3$
187	$\frac{1}{\sqrt[3]{3}-2}$	$-\frac{\sqrt[3]{9} + 2\sqrt[3]{3} + 4}{5}$
188	$\frac{\sqrt[3]{2}}{\sqrt[3]{2}-1}$	$(1 + \sqrt[3]{4} + \sqrt[3]{2})\sqrt[3]{2}$
189	$\frac{3}{\sqrt[3]{5}-\sqrt[3]{2}}$	$\sqrt[3]{25} + \sqrt[3]{10} + \sqrt[3]{4}$
190	$\frac{a+b^3}{\sqrt[3]{a+b}}$	$\sqrt[3]{a^2} - b\sqrt[3]{a} + b^2$
191	$\frac{3\sqrt[3]{2}}{\sqrt[3]{2}-1}$	$3(2+\sqrt[3]{4}+\sqrt[3]{2})$
192	$\frac{6}{\sqrt[3]{3} - \sqrt[3]{2}}$	$6(\sqrt[3]{9} + \sqrt[3]{6} + \sqrt[3]{4})$
193	$\frac{13}{2 - \sqrt[4]{3}}$	$(2+\sqrt[4]{3})(4+\sqrt{3})$
194	$\frac{10}{2\sqrt[3]{2} - \sqrt[3]{6}}$	$4\sqrt[3]{4} + 2\sqrt[3]{12} + \sqrt[3]{36}$
195	$\frac{19}{2\sqrt[3]{3} - \sqrt[3]{5}}$	$4\sqrt[3]{9} + 2\sqrt[3]{15} + \sqrt[3]{25}$
196	$\frac{13}{2\sqrt[3]{3}+\sqrt[3]{2}}$	$\frac{4\sqrt[3]{9} - 2\sqrt[3]{6} + \sqrt[3]{4}}{2}$

Algebra Kaalcall PASSE	Algebra	Radicali	PASSED
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Algebra	Radicali	PASSED
197	$\frac{y}{\sqrt[3]{x+y}-\sqrt[3]{x}}$	$\sqrt[3]{(x+y)^2} + \sqrt[3]{x^2 + xy} + \sqrt[3]{x^2}$
198	$\frac{2x}{\sqrt[3]{x+y} + \sqrt[3]{x-y}}$	$\sqrt[3]{(x+y)^2} - \sqrt[3]{x^2 - y^2} + \sqrt[3]{(x-y)^2}$
199	$\frac{5x}{\sqrt[3]{5x+2}-\sqrt[3]{2}}$	$\sqrt[3]{(5x+2)^2} + \sqrt[3]{10x+4} + \sqrt[3]{4}$
	trasforma i seguenti radicali doppi in somma di semp	lici radicali
200	$\sqrt{4-\sqrt{7}}$	$\sqrt{\frac{7}{2}} - \sqrt{\frac{1}{2}}$
201	$\sqrt{3+\sqrt{5}}$	$\sqrt{\frac{5}{2}} + \sqrt{\frac{1}{2}}$
202	$\sqrt{9-\sqrt{17}}$	$\sqrt{\frac{17}{2}} - \sqrt{\frac{1}{2}}$
203	$\sqrt{10+\sqrt{19}}$	$\sqrt{\frac{19}{2}} + \sqrt{\frac{1}{2}}$
204	$\sqrt{4-\sqrt{12}}$	$\sqrt{3}-1$
205	$\sqrt{8+\sqrt{48}}$	$\sqrt{6} + \sqrt{2}$
206	$\sqrt{5-2\sqrt{6}}$	$\sqrt{3}-\sqrt{2}$
207	$\sqrt{8-2\sqrt{15}}$	$\sqrt{5} - \sqrt{3}$
208	$\sqrt{4+2\sqrt{3}}$	$\sqrt{3} + 1$
209	$\sqrt{12-2\sqrt{11}}$	$\sqrt{11}-1$
210	$\sqrt{20 + \sqrt{279}}$	$\frac{\sqrt{62}}{2} + \frac{3\sqrt{2}}{2}$

Algebra	Radicali		PASSED
211	$\sqrt{13-4\sqrt{3}}$		$2\sqrt{3}-1$
212	$\sqrt{18 + 3\sqrt{11}}$		$\frac{\sqrt{66}}{2} + \frac{\sqrt{6}}{2}$
213	$\sqrt{\frac{7}{6} - \frac{2}{\sqrt{3}}}$		$\frac{\sqrt{6}}{3} - \frac{\sqrt{2}}{2}$
214	$\sqrt{\frac{6}{5}} - \sqrt{\frac{4}{5}}$		$1 - \frac{\sqrt{5}}{5}$
215	$\sqrt{4\sqrt{2}-2\sqrt{6}}$		$\sqrt[4]{18} - \sqrt[4]{2}$
216	$\sqrt{a+3+2\sqrt{3a}}$	(a > 0)	$\sqrt{a} + \sqrt{3}$
217	$\sqrt{x-\sqrt{2x-1}}$	$\left(x > \frac{1}{2}\right)$	$\frac{\sqrt{2(2x-1)}}{2} - \frac{\sqrt{2}}{2}$
218	$\sqrt{(a+b)+2\sqrt{ab}}$	$(a,b\in N)$	$\sqrt{a} + \sqrt{b}$
219	$\sqrt{x+y-2\sqrt{xy}}$	$(x,y\in R^+)$	$\sqrt{x} - \sqrt{y}$
	calcola il valore delle seguenti e	spressioni con i radic	ali (in R ⁺)
220	$\sqrt[3]{2} \cdot \sqrt{3} \cdot \sqrt[3]{6} \cdot \sqrt[12]{6}$		$\sqrt[12]{2^9 \cdot 3^{11}}$
221	$\sqrt{72}:\sqrt{6}:\sqrt{2}$		$\sqrt{6}$
222	$\sqrt{6}: \sqrt[4]{12}$		4√3
223	$\frac{6}{\sqrt{3}} + \frac{5}{\sqrt{5}}$		$2\sqrt{3}+\sqrt{5}$

Algebra	Radicali	PASSED
224	$\sqrt{\frac{5}{2}}:\sqrt{\frac{10}{27}}:\sqrt{\frac{3}{8}}$	$3\sqrt{2}$
225	$\sqrt[3]{a^2bc} \cdot \sqrt[3]{a^2b^2c^2}$	$abc\sqrt[3]{a}$
226	$\sqrt{a}: \sqrt[3]{a}$	$\sqrt[6]{a}$
227	$\sqrt[4]{a^3x^2y}:\sqrt[5]{a^2x^2y}$	$\sqrt[20]{a^7x^2y}$
228	$\left(2\sqrt{5}-5\sqrt{2}\right)^2$	$10(7-2\sqrt{10})$
229	$\sqrt{\frac{2}{\sqrt{5}-\sqrt{3}}}$	$\sqrt{\sqrt{5} + \sqrt{3}}$
230	$\sqrt{3-\sqrt{5}}\cdot\sqrt{3+\sqrt{5}}\cdot\sqrt{6-4\sqrt{2}}\cdot\sqrt{6+4\sqrt{2}}$	4
231	$\frac{1}{3+\sqrt{3}} - \frac{1}{3-\sqrt{3}} - \sqrt{3}$	$-\frac{4\sqrt{3}}{3}$
232	$\frac{\sqrt{2}}{1-\sqrt{5}} + \frac{\sqrt{2}-3}{\sqrt{5}} - \frac{3(\sqrt{5}-1)}{\sqrt{5}-5}$	$-\frac{\sqrt{2}(\sqrt{5}+5)}{20}$
233	$\frac{3}{2+\sqrt{3}} + \frac{3}{2-\sqrt{3}} - 5$	7
234	$(1+2\sqrt{2}-3\sqrt{3})^2-(1-\sqrt{2})^3$	$29 + 9\sqrt{2} - 6\sqrt{3} - 12\sqrt{6}$
235	$\frac{4 - \sqrt{5} - (2 + \sqrt{5}) - (2 - \sqrt{5})}{\sqrt{5}(2 - \sqrt{5})(2 + \sqrt{5})}$	1
236	$\left(\sqrt{5}-\sqrt{3}\right)\cdot\sqrt{4+\sqrt{15}}$	$\sqrt{2}$

Algebra	Radicali	PASSED
237	$\sqrt{7+2\sqrt{10}} - \sqrt{7-2\sqrt{10}}$	$2\sqrt{2}$
238	$\frac{3}{4\sqrt{10}} \cdot \left(\frac{\sqrt{5} + \sqrt{2}}{\sqrt{5} - \sqrt{2}} - \frac{\sqrt{5} - \sqrt{2}}{\sqrt{5} + \sqrt{2}}\right) : \sqrt{17^2 - 15^2} + 1$	$\frac{9}{4}$
239	$\left[\left(1+\frac{\sqrt{3}}{2}\right)\cdot\left(2-\frac{7}{2+\sqrt{3}}\right):\left(1-\frac{2}{2+\sqrt{3}}\right)\right]:\frac{1}{2\sqrt{3}}$	$\frac{\sqrt{3}}{3}$
240	$\frac{1}{\sqrt{5} + \sqrt{3}} + \frac{1}{\sqrt{5} - \sqrt{3}} - \frac{3}{2} \sqrt{\frac{20}{9}}$	0
241	$\frac{-2\sqrt{2}}{\left(2+\sqrt{6}\right)-\left(\sqrt{2}+2\sqrt{3}\right)}$	$\sqrt{6} + \sqrt{3} + \sqrt{2} + 1$
242	$\left(\frac{\sqrt{2}}{\sqrt{3}} + \frac{\sqrt{3}}{\sqrt{2}}\right) \cdot \left(\frac{\sqrt{3}}{\sqrt{5}} + \frac{\sqrt{5}}{\sqrt{3}}\right)$	$\frac{4}{3}\sqrt{10}$
243	$\left(\frac{1}{\sqrt[3]{3}} + \frac{1}{\sqrt[3]{9}}\right) \cdot \frac{6}{\sqrt[3]{3} + \sqrt[3]{9}}$	2
244	$\frac{1}{2\sqrt{5}} \cdot \left(\frac{\sqrt{5}}{\sqrt[3]{3}} - \frac{\sqrt[3]{9}}{\sqrt{5}}\right)$	³ √9 15
245	$\sqrt{\frac{2\sqrt{3}-3}{\sqrt{3}}}\cdot \left(2-\sqrt{3}\right)\cdot \left(2+\sqrt{3}\right)$	$\frac{\sqrt{6}-\sqrt{2}}{2}$
246	$\frac{\sqrt{2-\sqrt{2}}}{\sqrt{2+\sqrt{2}}} \cdot \frac{\sqrt{3+\sqrt{7}}}{\sqrt{3-\sqrt{7}}} \cdot (3-\sqrt{7})$	$2-\sqrt{2}$
247	$\frac{\sqrt{a}}{\sqrt{a} + \sqrt{b}} + \frac{\sqrt{b}}{\sqrt{a} - \sqrt{b}} - \frac{2a}{a - b}$	-1
248	$(3\sqrt{x}-2\sqrt{y})\cdot(\sqrt{x}+\sqrt{y}+1)-(\sqrt{x}-2)\cdot(2\sqrt{x}+\sqrt{y})$	$x - 2y + 7\sqrt{x}$
249	$\sqrt{\frac{a^6\sqrt{b}}{b\sqrt[3]{a}}}$	$a^2 \sqrt[12]{\frac{a^{10}}{b^3}}$

Algebra	Radicali	PASSED
250	$\sqrt{a^3b}\cdot\sqrt{a^5b^7}$	a^4b^4
251	$\sqrt{x^2 - 1} : \sqrt{x + 1}$	$\sqrt{x-1}$
252	$\frac{\sqrt{b}}{\sqrt{a} + \sqrt{b}} - \frac{\sqrt{b}}{\sqrt{a} - \sqrt{b}} + \frac{2a}{a - b}$	2
253	$(\sqrt{2-x} - \sqrt{2+x})^2 + (\sqrt{4-x^2} + 1)^2$	$9 - x^2$
254	$\left(\frac{\sqrt{a}}{\sqrt{b}} + \frac{\sqrt{b}}{\sqrt{a}}\right) \cdot \left(\frac{1}{\sqrt{a}} + \frac{1}{\sqrt{b}}\right)$	$\frac{(a+b)(\sqrt{a}+\sqrt{b})}{ab}$
255	$\frac{\sqrt{a+b}}{2\sqrt{a-b}} + \frac{\sqrt{a-b}}{3\sqrt{a+b}} - \frac{\sqrt{a+b}}{\sqrt{a-b}}$	$-\frac{a+5b}{6\sqrt{a^2-b^2}}$
256	$(\sqrt{x} - \sqrt{y})^2 - (\sqrt{x} - 1)(\sqrt{x} - \sqrt{y}) + (\sqrt{y} + 2)(\sqrt{x} + 1) - 3(y + \sqrt{x})$	2(1-y)
257	$\frac{a-1}{a\sqrt{a}+1}\cdot\left(a+\frac{1+a}{a}\right)$	$\frac{a\sqrt{a}-1}{a}$
258	$\sqrt{27x^3y} + x\sqrt{12xy} - \sqrt[6]{27x^3y^3} - 4x\sqrt{3xy} + \sqrt[4]{9x^2y^2}$	$x\sqrt{3xy}$
259	$(2\sqrt{a} + 3\sqrt{b})$: $(2\sqrt{a} - 3\sqrt{b}) - (12\sqrt{ab} + 18b)$: $(4a - 9b)$	1
260	$\frac{\sqrt[4]{a}}{\sqrt[4]{a} - 1} + \frac{\sqrt[4]{a}}{\sqrt[4]{a} + 1} - \frac{\sqrt{a} + 1}{\sqrt{a} - 1}$	1
261	$\frac{x^2 - y^2}{\sqrt[3]{x^2 + \sqrt[3]{xy} + \sqrt[3]{y^2}}}$	$(x+y)\left(\sqrt[3]{x}-\sqrt[3]{y}\right)$
262	$\sqrt{\frac{a+\sqrt{b}}{a-\sqrt{b}}} \cdot \sqrt{a^2-b}$	$a + \sqrt{b}$
263	$\left(\sqrt{ax} + \frac{ax}{a - \sqrt{ax}}\right) \cdot \left(\sqrt{ax} - \frac{ax}{a + \sqrt{ax}}\right)$	$\frac{a^2 x}{a - x}$

Algebra	Radicali	PASSED
264	$\frac{a\sqrt{x} - x\sqrt{a}}{\sqrt{a} - \sqrt{x}} + \frac{a\sqrt{a}}{\sqrt{a} + \sqrt{x}} + \frac{x(\sqrt{ax} - x)}{a - x}$	a + x
265	$\left(\sqrt[4]{a^7} - \frac{ab}{\sqrt[4]{a}}\right) : \left(\sqrt[3]{a} - \frac{b}{\sqrt[3]{a^2}}\right)$	$a^{12}\sqrt{a^5}$
266	$\left(\sqrt{a+b} + \frac{1}{\sqrt{a-b}}\right) : \left(1 + \frac{1}{\sqrt{a^2 - b^2}}\right)$	$\sqrt{a+b}$
267	$\left(\sqrt{2-3x} + \frac{1}{\sqrt{2+3x}}\right) : \left(1 + \frac{1}{\sqrt{4-9x^2}}\right)$	$\sqrt{2-3x}$
268	$\sqrt{5x+4} + \sqrt{5x-4} \cdot \sqrt{5x+4} - \sqrt{5x-4}$	$2\sqrt{2}$
269	$\frac{\sqrt[3]{8x^4y^4} + \sqrt[3]{x^7y^7} + \sqrt[6]{x^2y^2}}{\sqrt[3]{x^7y^7} - \sqrt[3]{xy}}$	$\frac{xy+1}{xy-1}$
270	$\sqrt[3]{\frac{(x-1)^4}{x^2+x}} : \left[\sqrt[6]{\frac{x-1}{x+1}}\right]^5 \cdot \sqrt{\frac{x^2-1}{x}}\right]$	$\sqrt[6]{x}$
271	$\left(\sqrt[6]{\frac{x+5}{x-2}} \cdot \sqrt[3]{\frac{x+5}{x-2}}\right)^{2} - \left(\frac{5}{x-2} + 1\right)$	$\frac{2}{x-2}$
272	$\sqrt{\frac{(a+2\sqrt{b})(a\sqrt{b}+2b)}{\sqrt{b}}} \cdot \frac{a-2\sqrt{b}}{a^2-4b}$	1
273	$\left[\left(\sqrt[3]{x^2 + 2xy + y^2} \cdot \sqrt[4]{\frac{x - y}{(x + y)^3}} \right) : \sqrt[12]{\frac{x - y}{x + y}} \right] + \sqrt[4]{(x - y)^3 \sqrt{\frac{1}{x - y}}}$	$2\sqrt[6]{x-y}$
274	$2\sqrt{\frac{2a^3 - a^2}{b^3 - b^2}} - 3a\sqrt{\frac{2a - 1}{b^3 - b^2}} + \frac{2}{b}\sqrt{\frac{2a^3 - a^2}{b - 1}}$	$\frac{a}{b}\sqrt{\frac{2a-1}{b-1}}$
275	$\frac{\sqrt[3]{8x^4y^4} + \sqrt[3]{x^7y^7} + \sqrt[6]{x^2y^2}}{\sqrt[3]{x^7y^7} - \sqrt[3]{xy}}$	$\frac{xy+1}{xy-1}$

Algebra	Radicali	PASSED
276	$\left(\frac{\sqrt{2x+3}}{\sqrt{2x+3}-\sqrt{2x-3}}-\frac{\sqrt{2x+3}}{\sqrt{2x+3}+\sqrt{2x-3}}\right):\frac{\sqrt{2x-3}}{3}$	$\sqrt{2x+3}$
277	$\frac{\sqrt{a-b}}{\sqrt{a+b}+\sqrt{a-b}} - \frac{\sqrt{a-b}}{\sqrt{a+b}-\sqrt{a-b}}$	$\frac{b-a}{b}$
278	$\frac{3\sqrt{a} + 2\sqrt{x}}{3\sqrt{a} - 2\sqrt{x}} - \frac{3\sqrt{a} - 2\sqrt{x}}{3\sqrt{a} + 2\sqrt{x}} - \frac{24\sqrt{ax}}{9a - 4x}$	0
279	$\frac{2x - \sqrt{4x^2 + 1}}{x + \sqrt{3x^2 + 2}} : \frac{x - \sqrt{3x^2 + 2}}{2x + \sqrt{4x^2 + 1}} : \frac{1}{x^2 + 1}$	$\frac{1}{2}$
280	$\sqrt{\left(\sqrt[5]{a^2} - \frac{b}{\sqrt[5]{a^3}}\right) \cdot \left(\sqrt[5]{a^2} - \frac{b}{\sqrt[5]{a^3}}\right)}$	$\frac{\sqrt[5]{a^2} a-b }{ a }$
281	$\left[\left(\frac{a+b}{\sqrt{b}} - \sqrt{a}\right) : \left(\frac{1}{\sqrt{b}} - \frac{1}{\sqrt{a}}\right)\right] \cdot \frac{a-b}{a\sqrt{a} + b\sqrt{b}}$	\sqrt{a}
282	$\left(\sqrt[5]{x^{\sqrt[3]{x^2}}} \cdot \sqrt[5]{x^2 \sqrt{x^{\sqrt[3]{x^2}}}} : \sqrt[5]{x^4 \sqrt[3]{x^2}}\right)^3$	$\frac{\sqrt[10]{x^9}}{x}$
283	$\sqrt{\frac{\sqrt{x - \sqrt{x^2 - y^2}}}{\sqrt{x + \sqrt{x^2 - y^2}}}}$	$\frac{\sqrt{2y}\left(\sqrt{x+y}-\sqrt{x-y}\right)}{2y}$
284	$\frac{a^{x+y}}{b} \cdot \sqrt[x-y]{\frac{b^{2x-2y}}{a^{x^2-y^2}}}$	b