

1	$\sqrt{1-3x} = 8$	-21
2	$\sqrt{7x+2} = \frac{9}{4}$	$\frac{7}{16}$
3	$\sqrt{1-x} = -1$	Impossibile
4	$2\sqrt{-x^2+4-8x} = 1$	$\frac{-8 \pm \sqrt{79}}{2}$
5	$\sqrt[3]{x-4} = 2$	12
6	$2\sqrt[3]{x-3} + 1 = 5$	11
7	$\sqrt[3]{13x-5} = 5$	10
8	$\sqrt[3]{3x-5} = 1$	2
9	$\sqrt{x-3} = 5-x$	4
10	$\frac{\sqrt{6x+1}+3}{2} = x$	4
11	$\sqrt{10-x} = 2x+8$	$-\frac{9}{4}$
12	$\sqrt{x^2+x+2} = \frac{x+3}{2}$	$-\frac{1}{3}; 1$
13	$\sqrt{x+1} = x-1$	3
14	$1 + \sqrt{x^2+3} = 3x$	1

15	$\sqrt{4x^2 - 7x - 6} = 9 - 2x$	3
16	$\sqrt{41 - x^2} + 1 = x$	5
17	$\sqrt{x(2 + x)} + 2 = 4 - x$	$\frac{2}{3}$
18	$x + \sqrt{2x - x^2} = 7$	<i>impossibile</i>
19	$3x + \sqrt{6x + 4} = 38$	10
20	$4x + \sqrt{5 + 4x} = 7$	1
21	$x - 17 = \sqrt{169 - x^2}$	<i>impossibile</i>
22	$x + \sqrt{5(x + 2)} = 8$	3
23	$2\sqrt{5 - 4x} + 4x = 5$	$\frac{1}{4}; \frac{5}{4}$
24	$\sqrt{3x - 5} + 3 = x$	7
25	$\sqrt{4x^2 + 7x - 2} = x + 2$	-2; 1
26	$\sqrt{4x^2 - 7x - 6} = 9 - 2x$	3
27	$3x + \sqrt{9x^2 - 46x} = 10$	<i>impossibile</i>

28	$\sqrt{2x+5} = 3(x-1)$	2
29	$\sqrt{x^2+3x-6} = 2x-6$	7
30	$\sqrt{x^2-11} + 1 = x$	6
31	$\sqrt{x^2-1} = x+2$	$-\frac{5}{4}$
32	$4+x-\sqrt{x^2-5x+4} = 2x$	4
33	$\sqrt{16-x^2} = \frac{x}{2} + 2$	$-4; \frac{12}{5}$
34	$\sqrt{x-2} + 5 = 5x$	<i>impossibile</i>
35	$5x - 12\sqrt{x} + 7 = 0$	$1; \frac{49}{25}$
36	$3\sqrt{3x} - 3 = 2\sqrt{3x}$	3
37	$\sqrt{\frac{1}{5}x(3x-1)} = -\frac{2}{7}(1+3x)$	-5
38	$\sqrt[3]{x^3-5x-4} = x-1$	$-\frac{1}{3}; 3$
39	$\sqrt[3]{x^3+2x^2-1} = x+1$	-2; -1

40	$\sqrt[3]{8x^3 + 20x + 7} = 2x + 1$	$-\frac{1}{3}; \frac{3}{2}$
41	$\sqrt[3]{3x - 4} \sqrt[3]{9x^2 - 5x + 1} = 3x - 2$	$\frac{1}{3}; 4$
42	$\sqrt{3(x^2 - 4)} = \sqrt{5x}$	3
43	$\sqrt{4 - 3x} - \sqrt{x^2 - x - 1} = 0$	$-1 - \sqrt{6}$
44	$\sqrt{2x^2 - x - 7} = \sqrt{x^2 - 3x - 8}$	<i>impossibile</i>
45	$\sqrt{3 - 2x - x^2} = \sqrt{x^2 - 5x + 4}$	$\frac{1}{2}; 1$
46	$\sqrt{36 + x} = 18 - \sqrt{x}$	64
47	$\sqrt{2x - 18} = 3 + \sqrt{x}$	81
48	$\sqrt{3x + 28} = 5 + \sqrt{x - 3}$	7; 12
49	$\sqrt{32 + x} - \sqrt{x - 4} = 2$	68
50	$\sqrt{x + 4ab} - \sqrt{x} = 2a$	$(b - a)^2$
51	$\sqrt{2x - 3a} = 3\sqrt{a} - \sqrt{2x}$	2a
52	$\sqrt{3x - 5} - \sqrt{2x - 5} = 1$	3; 7

53	$\sqrt{x-8} - 10 = -\sqrt{x-28}$	44
54	$\sqrt{2x+1} + 1 = 2\sqrt{x-1}$	$2(2 + \sqrt{2})$
55	$\sqrt{x-8} - 10 = \sqrt{x-28}$	<i>impossibile</i>
56	$\sqrt{1+3x} - 1 = \sqrt{2x-1}$	1; 5
57	$2\sqrt{x+16} - \sqrt{x-16} = 10$	20; $\frac{340}{9}$
58	$\sqrt{x+2} - \sqrt{x-3} - 1 = 0$	7
59	$\sqrt{x+1} - \sqrt{x+6} = -1$	3
60	$\sqrt{x+7} - 2 = \sqrt{x-1}$	2
61	$\sqrt{3-2x} = 2 - \sqrt{x^2+3}$	<i>impossibile</i>
62	$\sqrt{x+3} - 2 = \sqrt{x-5}$	6
63	$\sqrt[3]{3-x} + \sqrt[3]{x-2} = 1$	2; 3
64	$\sqrt[3]{2x-28} - \sqrt[3]{2x+28} = -2$	± 18
65	$\sqrt[3]{2-3x} = -\sqrt[3]{3x+7} + 3$	-2; $\frac{1}{3}$

66	$\sqrt[3]{x-3} + \sqrt[3]{2x+4} = 1$	2
67	$\sqrt[3]{3x^2 - 5x + 8} = \sqrt[3]{2x^2 + 2}$	2; 3
68	$\sqrt[4]{3x^2 - 2x + 25} = \sqrt{3 - 2x}$	$5 - \sqrt{41}$
69	$\sqrt[3]{x-2} + \sqrt[3]{2x-1} = 0$	1
70	$\sqrt{3-x} + \sqrt{1-x} = \sqrt{4-2x}$	1
71	$\sqrt{x+1} + \sqrt{x+6} = \sqrt{2x+7}$	-1
72	$\sqrt{x-2} + \sqrt{3x-1} = 2\sqrt{\frac{x}{2} + 2}$	$\frac{-4 + 11\sqrt{2}}{4}$
73	$\sqrt{x+5} - \sqrt{x} = \sqrt{2x-7}$	4
74	$\sqrt{x+2} = \sqrt{6-x} - \sqrt{5-x}$	$\frac{5 - 2\sqrt{55}}{5}$
75	$\sqrt{2x+6} = \sqrt{x+2} - \sqrt{x-2}$	<i>impossibile</i>
76	$\sqrt{x+1} + \sqrt{x} = \sqrt{2x} + 1$	0; 1
77	$\sqrt{2x-2} = \sqrt[4]{3x^2 + 5x + 4}$	13
78	$\sqrt[6]{3-3x} - \sqrt[3]{3x-1} = 0$	$\frac{2}{3}$

79	$\sqrt{3-2x} = \sqrt[4]{3x^2-2x+25}$	$5 - \sqrt{41}$
80	$\sqrt[3]{\frac{x+1}{x-1}} = 2$	$\frac{9}{7}$
81	$\frac{\sqrt{2} + \sqrt{x}}{\sqrt{2} - \sqrt{x}} = 1$	0