Disequazioni irrazionali

1	$\sqrt{4x-5} \geq 1$	$x \geq \dfrac{3}{2}$
2	$2 < \sqrt{2-3x}$	$x < -\dfrac{2}{3}$
3	$0 \geq \sqrt{2-3x}$	$x = \dfrac{2}{3}$
4	$\sqrt{\dfrac{3}{2}x + \dfrac{1}{3}} > \dfrac{1}{2}$	$x > -\dfrac{1}{18}$
5	$\sqrt{4-5x} < \sqrt{2}$	$\dfrac{2}{5} < x \leq \dfrac{4}{5}$
6	$\sqrt{x^4 + 2x^3 + x^2} > 2$	$x < -2 \lor x > 1$
7	$\sqrt{x^2 - 6x + 8} \geq 2\sqrt{2}$	$x \leq 0 \lor x \geq 6$
8	$\sqrt{9x - x^2 - 14} < 2$	$2 \leq x < 3 \lor 6 < x \leq 7$
9	$\sqrt{(2-x)(3+2x-x^2)} < \sqrt{6}$	$-1 \leq x < 0 \lor 2 - \sqrt{3} < x \leq 2 \lor$ $3 \leq x < 2 + \sqrt{3}$
10	$\sqrt{1+x} < 2x - 1$	$x > \dfrac{5}{4}$
11	$\sqrt{2x+1} > x - 3$	$-\dfrac{1}{2} \leq x < 4 + 2\sqrt{2}$
12	$\sqrt{\dfrac{x-9}{x-1}} > -2$	$x < 1 \lor x \geq 9$
13	$2\sqrt{\dfrac{x-9}{x-1}} > 3$	$-\dfrac{27}{5} < x < 1$
14	$x - 2 \leq \sqrt{\dfrac{x^3 - 1}{x+2}}$	$x < -2 \lor x \geq 1$
15	$x < \sqrt{\dfrac{x^2 + 4}{x^2 - 2}}$	$x < -\sqrt{2} \lor \sqrt{2} < x < 2$
16	$\sqrt{10 + 3x - x^2} > x + 2$	$-2 < x < \dfrac{3}{2}$
17	$1 + \sqrt{5 - 2x} < 6x$	$\dfrac{1}{2} < x \leq \dfrac{5}{2}$
18	$\sqrt[3]{x^3 - 8} < x - 2$	$0 < x < 2$
19	$\sqrt[4]{x^4 - 81} < x$	$x \geq 3$
20	$\sqrt[3]{x^3 + 19} - 1 > x$	$-3 < x < 2$

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21	$\sqrt{x-2} < \sqrt{x-1}$	$x \geq 2$
22	$\sqrt{x+1} + \sqrt{x+6} > \sqrt{7x+4}$	$-\dfrac{4}{7} \leq x < 3$
23	$\dfrac{2 - \sqrt{4-x}}{x^2 - x - 6} \geq 0$	$-2 < x \leq 0 \ \vee \ 3 < x \leq 4$
24	$\dfrac{5 - \sqrt{2x-3}}{x^2 - 12x + 20} < 0$	$2 < x < 10 \ \vee \ x > 14$