



COGNOME _____ NOME _____

1. $(x\sqrt{3} - 1)^2 + (x - \sqrt{3})(x + \sqrt{3}) = 4x^2$ _____ / 1,5
2. $\frac{x + \sqrt{2}}{x - \sqrt{2}} - \frac{x - \sqrt{2}}{x + \sqrt{2}} = \frac{4}{x^2 - 2}$ _____ / 2,5
3. $\begin{cases} x + 2y = 2\sqrt{2} \\ x + y = -\sqrt{2} \end{cases}$ _____ / 1,5
4. $\begin{cases} x\sqrt{2} - y = 3\sqrt{10} \\ -x + y\sqrt{2} = \sqrt{2} \end{cases}$ _____ / 1,5
5. $(3 - \sqrt{5})(x + 2) > x\sqrt{5} + 3$ _____ / 1,5
6. $\begin{cases} -x\sqrt{3} + x < \sqrt{3} + 1 \\ x\sqrt{2} - 3 > x - (\sqrt{2} + 1) \end{cases}$ _____ / 3
7. $x^2 - x(\sqrt{2} + \sqrt{3}) + \sqrt{6} \leq 0$ _____ / 2
8. $|1 - x\sqrt{5}| + x < \sqrt{5}$ _____ / 3

1	2	3	4	5	6	7	8	9	10
$x=0$	$0 < x < 2,8$	$2,8 \leq x < 4,7$	$4,7 \leq x < 6,5$	$6,5 \leq x < 8,8$	$8,8 \leq x < 10,2$	$10,2 \leq x < 12$	$12 \leq x < 13,8$	$13,8 \leq x < 16,5$	$x=16,5$

BUON LAVORO!!!

