

EQUAZIONI CON I VALORI ASSOLUTI

1. $1 + |x| = 5$ $[x = \pm 4]$
2. $|4x| - 1 = 11$ $[x = \pm 3]$
3. $|1 + x| = 5$ $[x = 4, x = -6]$
4. $|x| + 1 = 2x - 3$ $[x = 4]$
5. $|x + 1| = 2x - 3$ $[x = 4]$
6. $|x| - 6 = 1 + 5x$ $\left[x = -\frac{7}{6}\right]$
7. $1 - x + |1 - x| = 0$ $[x \geq 1]$
8. $|2x - 5| = 7 - 8x$ $\left[x = \frac{1}{3}\right]$
9. $|3x + 2| - 1 = 2x + 5$ $\left[x = 4, x = -\frac{8}{5}\right]$
10. $7 - |4 + 8x| = 2x + 1$ $\left[x = \frac{1}{5}, x = -\frac{5}{3}\right]$
11. $2|x| + 3 = |x| + 4$ $[x = \pm 1]$
12. $|3x + 2| = |2x + 3|$ $[x = \pm 1]$
13. $|x + 1| + |2x + 3| = 7$ $\left[x = 1, x = -\frac{11}{3}\right]$
14. $|3x + 2| = |4x + 1|$ $\left[x = 1, x = -\frac{3}{7}\right]$
15. $|x + 1| + |3x + 1| = 1$ $\left[x = -\frac{1}{2}, x = -\frac{1}{4}\right]$
16. $||x - 5| - 1| = 6$ $[x = 12, x = -2]$
17. $|x + 2| + |x - 2| = 3$ $[\nexists x \in \mathbb{R}]$
18. $|3 - x| = 3 + |3 + 2x|$ $[x = -3, x = -1]$
19. $|3 - |x|| = 5$ $[x = \pm 8]$
20. $|3x - 1| - |2 - x| = 1$ $[x = \pm 1]$
21. $|x + 3| + |x - 1| = 6$ $[x = 2, x = -4]$
22. $|2x - 3| - |2 - x| = 2$ $[x = 3, x = -1]$
23. $||3x - 1| - 2| = 5$ $\left[x = -2, x = \frac{8}{3}\right]$
24. $\frac{2}{|2x + 1|} = \frac{1}{x - 2}$ $[\nexists x \in \mathbb{R}]$