

TALLER DE INECUACIONES GRADO 11

1. $\frac{3x-1}{2} - \frac{x-1}{3} < 2x-1$
2. $4x+9-2(3x-5) \geq \frac{x+1}{3} - 1$
3. $\frac{x-9}{5} - \frac{5x-13}{15} \leq \frac{4x}{3} + 10$
4. $\frac{2x-5}{9} - \frac{4x-1}{6} < -\frac{5x}{18}$
5. $\frac{3-5x}{3} - \frac{1-8x}{4} - \frac{23-10x}{12} < 0$
6. $(3x+1)^2 - 5x^2 + 2x \leq (2x-1)^2$
7. $2 \leq x-5 \leq 6$
8. $-3 < 2x-6 < 5$
9. $-2x < 4+5x \leq 8$
10. $|x-5| \leq 1$
11. $\left|x - \frac{1}{2}\right| < \frac{1}{10}$
12. $\left|x + \frac{5}{3}\right| < 3$
13. $\left|2x + \frac{1}{9}\right| < 1$
14. $|3x-2| + 4 < 2$
15. $4|7-3x| - 5 \leq 3$
16. $(x-3)(x+2) \geq 0$
17. $(x-6)(x^2+1) < 0$
18. $(2x-1)(3x+5) \leq 0$
19. $x^2 - 4 < 0$
20. $x^2 - 6x + 8 < 0$

$$21. x^2 - 3x - 10 \geq 0$$

$$22. -6x^2 - x + 1 > 0$$

$$23. \frac{3x-1}{2x+5} \leq 0$$

$$24. \frac{3x-1}{2x+5} \geq 0$$

$$25. \frac{2x}{x^2+1} < 0$$

$$26. \frac{25}{x^2-1} \leq 0$$

$$27. \frac{4}{x^2 - 9x + 18} \geq 0$$

$$28. \frac{2x}{x^2+1} < 1$$

$$29. \frac{5-2x}{3x-9} < 1$$

$$30. \frac{x^2+1}{5x} \leq \frac{1}{2}$$

$$31. \frac{x-5}{x} + 5 \geq x$$

$$32. \frac{x-1}{x+1} > \frac{x+1}{x-1}$$

$$33. \frac{x^2-6}{2x+3} < 0$$

$$34. x(3x-1)(x+2) < 0$$

$$35. x^3 - 6x^2 + 11x - 6 \geq 0$$

$$36. x^4 - 5x^2 + 4 \geq 0$$

$$37. \frac{x^2-8x+15}{x^2-4} < 0$$