

AUTOEVALUACIÓN TEMA 5. 1º B

1. Resolver:

a. $2x - 3 - \frac{x}{2} > x + \frac{3x+1}{6}$

b. $\frac{x}{2} - \frac{x-1}{6} \geq 1 - \frac{2x-5}{2}$

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

2. Resolver:

a. $-2x^2 + 3x > 0$

b. $3x^2 + \frac{5x}{6} - 2x \leq 2x^2 + \frac{2}{3} + \frac{x}{2}$

c. $(x-2)^2 + (x+4)(x-2) + 3x \geq 1$

3. Resolver:

a. $2x^4 - 8x^3 > 2x^2 + 12$

b. $x^5 - 8x^4 + 23x^3 \leq 12 - 28x$

4. Resolver:

a. $\frac{x^2-5x+4}{x^2-5x+6} \geq 0$

b. $\frac{x^2-4x}{x^2-3x+2} < 0$

5. Resolver:

a. $\left. \begin{array}{l} 2x + 3(x-1) < 7 \\ 3x + 2 \leq x + 6 \end{array} \right\}$

b. $\left. \begin{array}{l} -3(x-3) - 2x \leq -3 \\ 2x - \frac{x}{2} > 2 \end{array} \right\}$

6. Resolver:

a. $\left. \begin{array}{l} x + y \leq 2 \\ y \leq -2x \\ \frac{x+5}{3} - y < 0 \end{array} \right\}$

b. $\left. \begin{array}{l} 2x + y \leq -2 \\ x - y > 2 \\ x > 1 \\ y \leq 2 \end{array} \right\}$