

Решить неравенства:

$$1. \frac{(x^2-7x-8) \cdot (x-8)^3}{(x+2)^2 \cdot (5-x)} \geq 0$$

$$2. \frac{(x^2+2x-8) \cdot (x^3-4x)}{x^2+7x+10} > 0$$

$$3. \frac{(x+1) \cdot (x+2)}{x^2+7x+12} \leq 1$$

$$4. \frac{x^2+3x-13}{(x+3)(x-2)} > 2$$

$$5. \frac{x-2}{2x+3} \geq \frac{x+2}{4x-3}$$

$$6. \frac{x^3+2x+7}{7-x} \geq 1$$

$$7. \frac{7}{3x-2-x^2} - \frac{3}{7x-4-3x^2} > 0$$

$$8. \frac{1}{5x^2-3x-2} + \frac{5}{1-x^2} \leq 0$$

$$9. \frac{x^3-2x^2-10x-12}{x^2-5x-6} \leq 2$$

$$10. \frac{x^3+4x^2+x-6}{x^3+2x^2-5x-6} \leq 0$$

$$11. \frac{|x+3|-2}{x^2+8x+15} \geq 0$$

$$12. \frac{|x|+2x-3}{x^2-7x+6} < 0$$

$$13. \frac{3x^2-5x-7 \cdot |x-2|+15}{2x^2-x+1} \leq 1$$