

Рациональные неравенства

$$5B. \quad x^3 + 6x^2 + \frac{28x^2 + 2x - 10}{x - 5} \leq 2$$

$$7B. \quad \frac{x^3 + x^2}{x^2 - 2x + 1} \leq \frac{9}{4} \cdot \frac{x + 1}{x^2 - 2x + 1}$$

$$14B. \quad \frac{x^2 - 6x + 8}{x - 1} - \frac{x - 4}{x^2 - 3x + 2} \leq 0$$

$$19B. \quad \frac{4x^4 - 4x^3 + x^2}{-2x^2 + 5x - 2} + \frac{2x^3 - 7x^2 + 5x + 1}{x - 2} \leq 0$$

$$30B. \quad \left(\frac{2}{25x^2 - 10x - 8} + \frac{25x^2 - 10x - 8}{2} \right)^2 \geq 4$$

$$33B. \quad (x^2 - x)^2 - 8(x^2 - x) + 12 \geq 0$$

Неравенства с модулями

$$1B. \quad \left| \frac{x^2 - 5x + 4}{x^2 - 4} \right| \leq 1$$

$$2B. \quad \left| \frac{x^2 - 3x + 2}{x^2 + 3x + 2} \right| \geq 1$$

$$7B. \quad |x^3 - 8| \leq x^3 + 8x + 8$$

$$13B. \quad |2x + 8| + |x - 1| \geq 8$$

$$21B. \quad |x^2 + x - 2| + |x + 4| \leq x^2 + 2x + 6$$

$$31B. \quad \frac{|x - 1|}{x - 1} + \frac{|x - 2|}{x - 2} \geq 0$$

$$36B. \quad 25x^2 - 3|3 - 5x| < 30x - 9$$