

ESERCIZI IN PIÙ

LE DISEQUAZIONI NUMERICHE FRATTE

Risolvi le seguenti disequazioni numeriche fratte.

$$1 \quad \frac{7x-2}{3x-6} + \frac{5x+4}{4-2x} \leq -1 \quad \left[2 < x \leq \frac{28}{5} \right]$$

$$2 \quad \frac{3x-4}{5x-5} - 2 \leq \frac{3}{2-2x} \quad \left[x < 1 \vee x \geq \frac{27}{14} \right]$$

$$3 \quad \frac{x^2-3x}{x^2-25} - \frac{x+4}{x-5} + \frac{2}{x+5} \leq 0 \quad [-5 < x \leq -3 \vee x > 5]$$

$$4 \quad \frac{4x+5x^2+6}{5x^2-5x} + \frac{3}{x-1} \leq 1 \quad \left[x \leq -\frac{1}{4} \vee 0 < x < 1 \right]$$

$$5 \quad \frac{5x-6-4x^2}{x^2-9} - \frac{4x+1}{3-x} + \frac{1}{x+3} > 0 \quad \left[-3 < x < \frac{6}{19} \vee x > 3 \right]$$

$$6 \quad \frac{3x-4}{x^2-4x+3} + \frac{2}{1-x} \leq \frac{5}{x-3} \quad \left[1 < x \leq \frac{7}{4} \vee x > 3 \right]$$

$$7 \quad \frac{3x-5}{2-3x} + \frac{7x+3x^2+3}{3x^2+x-2} \geq \frac{5}{x+1} \quad \left[x < -1 \vee \frac{2}{3} < x \leq 3 \right]$$

$$8 \quad \frac{5x-2+x^2}{x^2-6x+9} \geq 1 - \frac{5}{x-3} \quad \left[x \geq \frac{13}{8} \wedge x \neq 3 \right]$$

$$9 \quad \frac{-4}{2x^2-6x} + \frac{2}{x^2-5x+6} \leq \frac{1}{2x^2-4x} \quad [x < 0 \vee 2 < x < 3 \vee x \geq 11]$$

$$10 \quad \frac{3x-2}{x-5} - \frac{4}{2-x} > \frac{16-3x^2}{-x^2+7x-10} \quad [x < 0 \vee 2 < x < 5]$$