Risolvere le seguenti disequazioni

$\dfrac{x+2}{1-3x} \le 1;$ $\qquad$ $\ln x(1-\ln x) < 0;$ $\qquad$ $|2x+4| > 3$

$\dfrac{x-2}{1+4x} > -1;$ $\qquad$ $\dfrac{\ln(2+x)}{\ln(1-x)} > 0;$ $\qquad$ $|3-2x| < 1$

$\dfrac{x^2+5x+6}{3-x} < 0$ $\qquad$ $\log_3(4-3x) > 2$ $\qquad$ $|2x+5| \le 6$

$\left|\dfrac{x+1}{3-x}\right| < 2$ $\qquad$ $\dfrac{2-x^2}{x+4} - 1 > x$ $\qquad$ $e^{x^2-4} \le 1$

$\dfrac{2}{x-1} + \dfrac{3}{x-2} > 0;$ $\qquad$ $\left|\dfrac{2x+1}{3}\right| < 1$ $\qquad$ $\ln(x^2+3) < 0$

$\dfrac{2x-4}{3-x} > 0;$ $\qquad$ $\left|\dfrac{x-1}{2}\right| < 1\,;$ $\qquad$ $\log(x^2+1) > 2$

$\left|\dfrac{3x+1}{2}\right| < 1$ $\qquad$ $\sqrt{x^2-3x} \le x-1$ $\qquad$ $\ln(x+1) - \ln(2+x) > 0$

$\dfrac{x^2+x-2}{x^2+x-12} < 0$ $\qquad$ $|x-1| > \dfrac{2(x-2)}{3}$ $\qquad$ $e^{x+4} > 1$

$3x^2 < 4x+7$ $\qquad$ $\left|\dfrac{2x-6}{3}\right| < 4\,;$ $\qquad$ $e^{x+2} \le 1$

$$2x^2 > 3(9-x) \qquad\qquad \left|\frac{2x-1}{5}\right| < 3\,; \qquad\qquad 2e^{3-x} < 4$$

$$\left|\frac{4-5x}{2}\right| < 3; \qquad\qquad \ln(x-3) < 2; \qquad\qquad 5x \ge 3x^2 + 4$$

$$\frac{x^2 - 6x + 5}{8 - 2x} \le 0 \qquad\qquad e^{3-2x} > 5 \qquad\qquad \left|x^2 + x - 2\right| < 2$$

$$\frac{x}{x-8} \ge -1 \qquad\qquad \left|7x+1\right| < 2 \qquad\qquad \log_2 \frac{x+1}{x-1} < -1$$

$$\frac{x-1}{x+3} \le 4; \qquad\qquad e^{2x^2 - 8} > 1; \qquad\qquad \left|x-2\right| < 1$$

$$\left|\frac{x-3}{1+2x}\right| \ge 4 \qquad\qquad \|\,5x+3\,|<1 \qquad\qquad \frac{e^{2x-1}}{e^{x+1}} > 1$$

$$\frac{x+1}{3-6x} < 0 \qquad\qquad \log_3(3-x) < 2 \qquad\qquad \frac{x+1}{2x} \ge 3$$

$$\left|x^2 - 2\right| < 6 \qquad\qquad \frac{x-3}{2x+1} > \frac{1}{2} \qquad\qquad e^{x^2} \ge \frac{1}{e^{4-5x}}$$

$$\frac{4x+5}{x^2-1} + 3 \ge 0 \qquad\qquad \left|\frac{3x-4}{2-x}\right| \le 1 \qquad\qquad \log(3x-1) > e^3$$

$$\frac{x+1}{x-1} < \frac{1}{2} \qquad\qquad \frac{e^{2x} - 1}{e^x - 2} \ge 0 \qquad\qquad \left|1 - \ln x\right| \le 1$$

$$\left|\frac{1+x}{3-x}\right| < 1 \qquad\qquad \log_{10}\frac{x-5}{x+7} > 0 \qquad\qquad \log_{10}(x^2 - x + 98) > 2$$

$$\frac{x^2 - 5x + 6}{x^2 - 3x + 10} > 0 \qquad\qquad \left|x^2 - 8x + 10\right| \geq 3 \qquad\qquad \frac{x+1}{x-5} \leq 2$$

$$\log_2(4x+2) < 3 \qquad\qquad \frac{x}{x+1} > 2x \qquad\qquad \frac{\ln(2+3x)-2}{3} < 0$$

$$\left|x^2 - 2\right| \leq 2 \qquad\qquad \frac{3x}{x-5} \geq 1 \qquad\qquad \frac{1}{1+\ln(x-4)} > 0$$

$$\left|x^2 - 3x + 2\right| < 2 \qquad\qquad \ln(\ln(x^2 - 1)) > 0 \qquad\qquad \frac{x^2 - x - 6}{-x^2 + 3x + 4} < 0$$

$$\left|\frac{x^2 + 3x}{x}\right| \leq 2 \qquad\qquad \frac{2x-1}{4} - \frac{1+x}{2} < \frac{x+2}{3} \qquad\qquad \left|\frac{x^2 - 1}{2x+1}\right| \leq 1$$

$$\frac{1 + \log_{\frac{1}{5}} x}{-2x^2 + 3x + 5} \leq 0 \qquad\qquad \frac{3x+1}{6x} - \frac{x-2}{3+2x} \geq \frac{1}{x} \qquad\qquad \left|\frac{x-2}{3-4x} - 1\right| \leq 2$$

$$\frac{e^{-3x^2 + 2x}}{e^{-3x+2}} \leq 1 \qquad\qquad \left|\frac{2x+1}{x-3}\right| \geq 5 \qquad\qquad \frac{2x^2 - 2x - 3}{x-2} - \frac{4x+3}{2} \leq 2$$

$$\ln(x) - \ln(5 - 2x) \geq 1$$