Solving Nonlinear Inequalities (Rational Expressions) Homework

Solve. Write the Solutions graphically and in interval notation. $0 \frac{2x^2}{9-x^2} + \frac{11x}{9-x^2} \ge \frac{3x}{9-x^2} - \frac{2x^2}{9-x^2}$

$$0 \frac{2x^{2}}{9-x^{2}} + \frac{11x}{9-x^{2}} \ge \frac{3x}{9-x^{2}} - \frac{2x^{2}}{9-x^{2}}$$

$$\frac{36x^2}{5x^2+X-18} > \frac{1}{5x^2+X-18}$$

$$3\frac{-3x^{3}}{x+4} + \frac{12x^{2}}{x+4} + \frac{36x}{x+4} \leq 0$$

$$4) \frac{x^{4} + 15x^{2} - 250}{x^{3} - 6x^{2} + 7x - 4\lambda} < 0$$

(3)
$$0 \leq \frac{x^2+6x+8}{8x^3+125}$$

$$\bigcirc \frac{X-7}{X-5} \le 2$$

$$\Im -1 + \frac{6}{\chi} > \chi$$

$$3\frac{x-7}{x-4} < \frac{-4}{x-3}$$









