

Realiza las siguientes operaciones con fracciones algebraicas.

$$\frac{x+1}{x-2} - \frac{3}{x} + \frac{2x-5}{x^2-2x} = \frac{\quad}{\quad \cdot (\quad)}$$

$$\frac{2}{x-1} + \frac{x-3}{x^2+x+1} - \frac{3x^2}{x^3-1} = \frac{\quad}{(\quad) \cdot (\quad)}$$

$$\frac{2}{3x^2} - \frac{5}{12x} + \frac{4}{18x^2} = \frac{\quad}{\quad}$$

$$\frac{2x}{x^2-1} + \frac{1}{x-1} + \frac{3x+3}{x^2+2x+1} = \frac{\quad}{(\quad) \cdot (\quad)}$$

$$\frac{x-1}{x^2-1} : \frac{x+1}{x^2+2x+1} =$$

$$\frac{x}{x-2} - \frac{x}{x-1} - \frac{x}{x^2-3x+2} =$$