

EXAMEN 3.6:

Opera: $\frac{2x}{x-5} - \frac{x+2}{x-4}$

$$\frac{x}{x-4} + \frac{2}{x+2} - \frac{x+1}{x-2}$$

$$\frac{4x+7}{x^2} \div \frac{3x+1}{x+5}$$

Reduce a indice comun: $\sqrt[3]{x^2y}$, $\sqrt[9]{x^7y^2}$, $\sqrt[6]{xy^2}$

Opera: $(\sqrt[3]{x^5} \div \sqrt[6]{x^2}) \cdot (\sqrt[6]{x})^4 =$

$$\sqrt[4]{x^4y^5} + \sqrt[4]{x^8y} - \sqrt[4]{y^9}$$

$$\left(\frac{1}{x} - \frac{1}{2x} - \frac{1}{3x}\right) \div \left(\frac{1}{x^2} - \frac{1}{x} + \frac{1}{2x}\right) =$$

$$\sqrt[6]{x^2} \cdot \sqrt[3]{x} =$$

$$\sqrt{12x} + \sqrt{75x} - \sqrt{27x} + \sqrt{48x} =$$

$$\frac{\sqrt[3]{x} \cdot \sqrt[5]{x^3}}{\sqrt[6]{x^4}}$$

$$\sqrt{(x+a) \cdot (x-a)} = x-a \Rightarrow$$

Simplifica: $x \sqrt{y \sqrt{z \sqrt[3]{t}}} =$