

Simplifica las expresiones algebraicas

★₁ Simplificar $\frac{a - \frac{a}{b}}{b - \frac{1}{b}} = \frac{a}{b + 1}$

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

★₃ Simplificar $\frac{\frac{a}{b} - \frac{b}{a}}{1 + \frac{b}{a}} = \frac{a - b}{b}$

★₄ Simplificar $\frac{\frac{1}{m} + \frac{1}{n}}{\frac{1}{m} - \frac{1}{n}} = \frac{(n + m)}{(n - m)}$



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Simplificar

$$\frac{\frac{x}{y} - \frac{y}{x}}{1 + \frac{y}{x}}$$

$$= \frac{a - b}{b}$$