

EJERCICIOS DE CLASE (CONSULTA 4)
SIMPLIFICACIÓN DE FRACCIONES ALGEBRAICAS

$$\frac{\frac{1}{2}x^2 + \frac{1}{8}x}{\frac{1}{3}x + \frac{1}{12}}$$

$$\frac{x^2 + 10x + 25}{x^2 - 25} =$$

$$\frac{x^3 + 6x^2 + 12x + 8}{x^3 + 4x^2 + 4x} =$$

$$\left[\frac{2x^2 + 1}{3x^2} - \frac{2x + 1}{4x^2 - 1} \cdot \frac{4x^2 - 4x + 1}{3x} \right]$$

$$\left(\frac{1}{y} + \frac{2}{1-y} + \frac{1}{1+y} - \frac{3}{1-y^2} \right)$$

$$\frac{x^2 + 2x + 1}{9x^3}$$

$$\left(\frac{1}{y + y^2} \right)$$

$$\frac{2x^2 - 18x + 28}{3x^2 + 6x - 24} \cdot \frac{3x^3 + 6x^2 - 24x}{x^2 + 5x - 6}$$

$$\frac{4x^2 - 36x + 56}{2x^2 + 10x - 12}$$

$$\frac{x^2 - 8x + 16}{x^3 - 27} \cdot \frac{x^4 - 27x}{3x^3 - 24x^2 + 48x}$$

$$\frac{x - 5}{3x^2 - 15x}$$

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