

# DEPARTAMENTO DE MATEMÁTICAS

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$$2x^2yy' + y^2 = 2$$

$$\cos 2x = \cos^2 x - \sin^2 x$$

$$\frac{\partial z}{\partial x} = 2; \frac{\partial z}{\partial y} = 0 \quad \vec{v} = (F_x; F_y; F_z)$$

$$z = \frac{1}{x} \arcsin \frac{\sqrt{2}}{2}$$

$$\sin(x+y) = \sin x \cos y + \cos x \sin y$$

$$x_2 = \begin{pmatrix} -x \\ \beta \\ -\beta \end{pmatrix}$$

$$\sum_{i=0}^n (p_i(x_i) - y_i)^2$$

$$\frac{a}{\sin \alpha} = \frac{b}{\sin \beta} = \frac{c}{\sin \gamma}$$

$$\sin 2x = 2 \sin x \cdot \cos x$$

$$\lambda x - y + z = 1$$

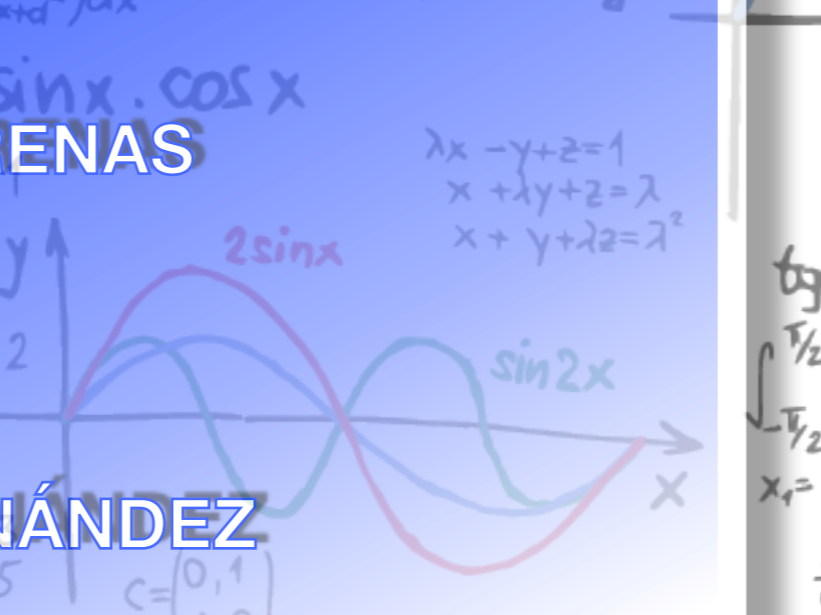
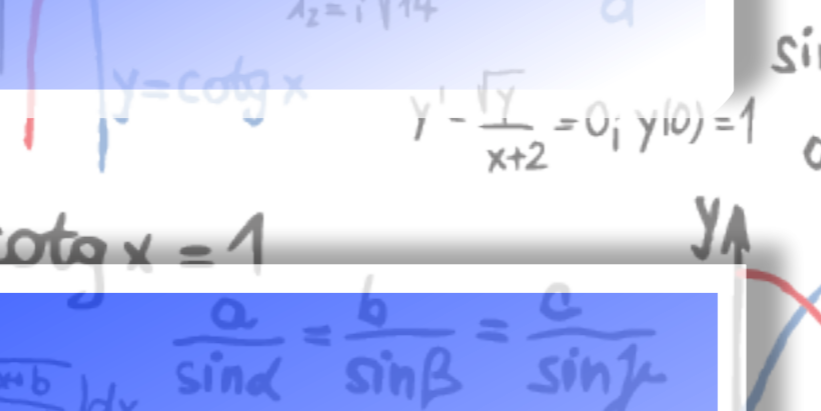
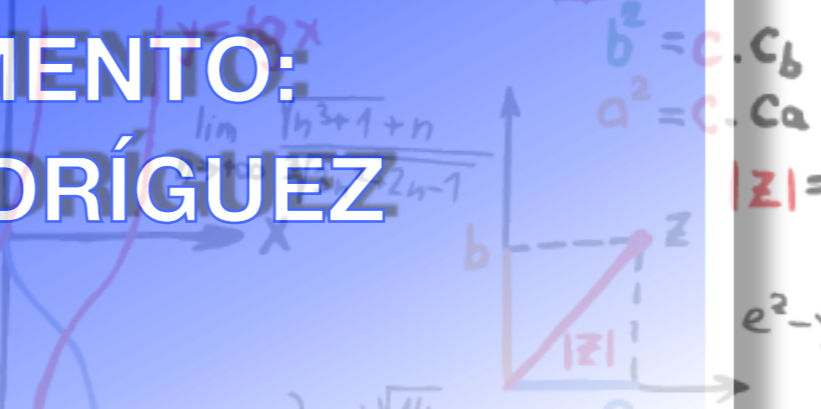
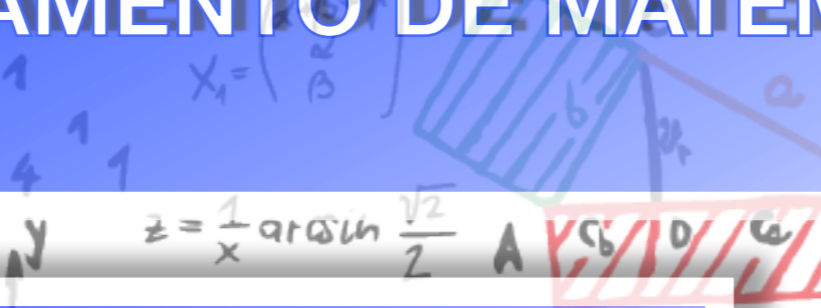
$$x + \lambda y + z = \lambda$$

$$x + y + \lambda z = \lambda^2$$

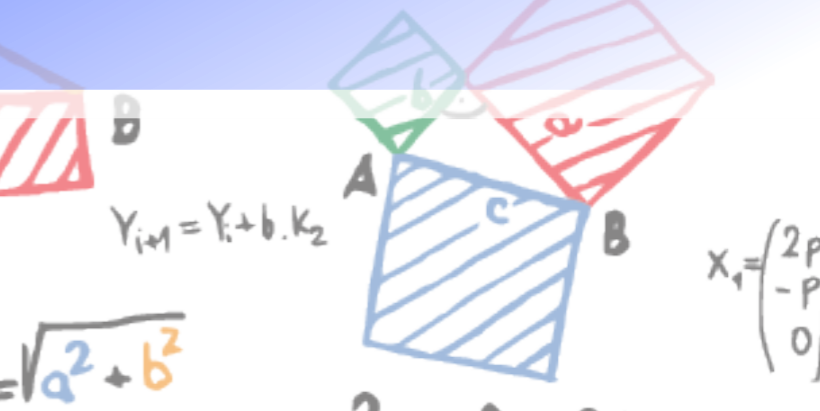
$$\eta_1 = \lambda^2 - 3\lambda + 1 + 0$$

$$-18A + 6B - 3C = 15$$

$$C = \begin{pmatrix} 0,1 \\ 1,0 \end{pmatrix}$$



$$a^2 + b^2 = c^2$$



$$a^2 = b^2 + c^2 - 2bc \cos \alpha$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin(x+y) = \sin x \cos y + \cos x \sin y$$

$$\lim_{x \rightarrow 0} \frac{e^{2x} - 1}{5x} = \frac{2}{5}$$

$$f(x) = 2^{-x} + 1, \epsilon = 0.005$$

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} + \frac{z^2}{c^2} = 0$$

$$\frac{\partial f}{\partial x} = 16 - x^2 + 16y^2 - 4z > 0$$