Tema 9

$$A \cdot B = \begin{pmatrix} a_1 & a_2 \\ a_3 & a_4 \end{pmatrix} \begin{pmatrix} b_1 & b_2 \\ b_3 & b_4 \end{pmatrix} = \begin{pmatrix} a_1b_1 + a_2b_3 & a_1b_0 + a_2b_4 \\ a_3b_1 + a_4b_3 & a_3b_0 + a_4b_4 \end{pmatrix}$$

$$B \cdot A = \begin{pmatrix} b_1 & b_2 \\ b_3 & b_4 \end{pmatrix} \cdot \begin{pmatrix} a_1 & a_2 \\ a_3 & a_4 \end{pmatrix} = \begin{pmatrix} b_1a_1 + b_2a_3 & b_1a_2 + b_3a_4 \\ b_3a_1 + b_4a_3 & b_3a_2 + b_4a_4 \end{pmatrix}$$

=) Am + m.A => necomudativ

$$= \propto (x_2 - 3x_3, 2x_1) + p(y_2 - 3y_3, 2y_1)$$

$$= \alpha f(x) + \beta f(\gamma)$$

$$k = \frac{1}{2} \times e \mathbb{R}^3 | f(x) = 0 = \frac{1}{2} | x = 3 = 0$$

 $(x_2 - 3x_3, 2x_1) = (0, 0) = 0$
 $(x_3 - 3x_3, 2x_1) = (0, 0) = 0$

$$(1) \times_2 = 3 \times_3$$

Not.
$$X_3 = C \in \mathbb{R} = 1$$
 $X_2 = 3c$ $X_3 = C$