

EJERCICIO MIBE3416:

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Resolva la ecuación:

$$x^4 - 2x^3 - 5x^2 + 6x = 0$$

$$x(x^3 - 2x^2 - 5x + 6) = 0$$

$$x = 0$$

$$x^3 - 2x^2 - 5x + 6 = 0 \quad \text{i Ruffini!}$$

|    |   |    |    |    |
|----|---|----|----|----|
|    | 1 | -2 | -5 | 6  |
| -2 |   | -2 | 8  | -6 |
|    | 1 | -4 | 3  | 0  |
| 3  |   | 3  | -3 |    |
|    | 1 | -1 | 0  |    |

$$x = -2$$

$$x = 3$$

$$x - 1 = 0 \Rightarrow x = 1$$

Soluciones:

$$\begin{aligned} x_1 &= 0 \\ x_2 &= -2 \\ x_3 &= 3 \\ x_4 &= 1 \end{aligned}$$