2° Cálculo Numérico
Obs:
$$\sqrt{2} = 2^{\frac{1}{2}}$$

 $\sqrt{4} = 4^{\frac{1}{2}} = 2$

$$\begin{cases} 3x + 2y + z = 5 \\ x + y + 2z = 4 \\ 2x + 3z = 7 \end{cases} = 321$$

$$\begin{cases} 3x + 2y + z = 5 \\ 2 & 0 \end{cases} = 4$$

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Sist Imp. $\begin{cases} 3x + 2y = 4 \\ 3x + 2y = -4 \end{cases}$ 31st. Possivel e Indet $\begin{cases} 2x + y + z = 0 \\ x + 2y - z = 0 \\ 4x - 3y - 8z = 0 \end{cases}$ X = 0Y= 0 Z=0

$$\begin{bmatrix} 1 & 1 & 1 \\ 4 & 2 & -1 \\ 1 & 3 & 2 \end{bmatrix} \begin{bmatrix} x \\ y \\ z \end{bmatrix} = \begin{bmatrix} 6 \\ 5 \\ 13 \end{bmatrix}$$

$$A \times = B$$

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$$A \times = B$$

$$A \times = A$$

$$A \times = B$$

$$A$$

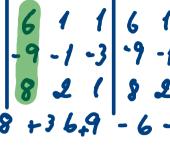
X = detA

$$x = \frac{\det A}{\det A} = \frac{8}{8}$$

Atividade Lúdica

$$\begin{cases} x + y + 2 = 6 \\ 2x - y - 3z = -9 \\ x + 2y + 2 = 8 \\ 8 + 369 - 6 - 24 - 18 = 5 \end{cases}$$

$$x = \frac{\det A_x}{\det A} : \frac{5}{5} : 1$$



$$\begin{vmatrix} 1 & 6 & 1 & 1 & 6 \\ 2 & -9 & -3 & 2 & -9 \\ 1 & 8 & 1 & 1 & 8 \end{vmatrix}$$
 det $A_y = 9 + 24 - 12 - 9 - 18 + 16 = 10$