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CP 1890964
Turma 3418

$$1- \begin{pmatrix} P & 2 & 2 \\ P & 4 & 4 \\ P & 4 & 1 \end{pmatrix} = -18$$

$$\begin{pmatrix} P & -1 & 2 \\ P & -2 & 4 \\ P & -2 & 1 \end{pmatrix} = (-2) \cdot \begin{pmatrix} P & 2 & 2 \\ P & 4 & 4 \\ P & 4 & 1 \end{pmatrix}$$

$$-18 \div -2$$

9 (LETRA "E")

$$11. \quad A = \begin{bmatrix} A_{11} & A_{12} & A_{13} & A_{14} \\ A_{21} & A_{22} & A_{23} & A_{24} \\ A_{31} & A_{32} & A_{33} & A_{34} \\ A_{41} & A_{42} & A_{43} & A_{44} \end{bmatrix} = -6$$

$$2A = X - 97$$

$$2^4 A = X - 97$$

ORDER 4

$$16 \cdot 6 = X - 97$$

$$-96 = X - 97$$

$$-96 + 97 = X$$

$$\boxed{1 = X} \quad (\text{LETRA "C"})$$

MATRIZ GAZDADA

$$\text{III.} \begin{bmatrix} A_{11} & A_{12} & A_{13} \\ A_{21} & A_{22} & A_{23} \\ A_{31} & A_{32} & A_{33} \end{bmatrix} = X \cdot \begin{bmatrix} A_{11} & 0 & A_{12} & 0 & A_{13} \\ A_{21} & 0 & A_{22} & 0 & A_{23} \\ A_{31} \div X & A_{32} \div X & A_{33} \div X & & \end{bmatrix}$$

$$X \cdot Y \begin{bmatrix} A_{11} \div Y & A_{12} & A_{13} \\ A_{21} \div Y & A_{22} & A_{23} \\ A_{31} \div X \div Y & A_{32} \div X & A_{33} \div X \end{bmatrix}$$

→ (LETRA "C")

$$IV. \begin{pmatrix} 2 & 1 & 0 \\ K+4 & K+3 & K-1 \\ 1 & 2 & -2 \end{pmatrix} = 10$$

$$\begin{pmatrix} 2 & 1 & 0 \\ K+4 & K+3 & K-1 \\ 1 & 2 & -2 \end{pmatrix} = K \cdot \begin{pmatrix} 2 & 1 & 0 \\ 4 & 3 & -1 \\ 1 & 2 & -2 \end{pmatrix} \quad K \cdot \begin{pmatrix} 1 & 1 & 0 \\ 4 & 3 & -1 \\ 1 & 1 & -1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 1 & 0 & 1 & 1 \\ 4 & 3 & -1 & 4 & 3 \\ 1 & 2 & -2 & 1 & 2 \end{pmatrix} \begin{matrix} 0 & -1 & -4 & -5 \\ -3 & -1 & 0 \\ -4 \end{matrix}$$

$$-5 - 4 = -9$$

(LÉTRA "C")

$$\begin{array}{c}
 \text{VI.} \quad \begin{array}{ccc|ccc}
 & 1^\circ & 2^\circ & 3^\circ & 1^\circ & 2^\circ & 3^\circ \\
 1 & x & x^2 & 1 & x & & \\
 1 & 2 & 4 & 1 & 2 & & \\
 1 & -3 & 9 & 1 & -3 & &
 \end{array}
 \end{array}$$

$$\left. \begin{array}{l}
 1^\circ(1.2.9) = 18 \\
 2^\circ(x.4.1) = 4x \\
 3^\circ(x^2.1.(-3)) = -3x^2
 \end{array} \right\} -3x^2 + 4x + 18$$

$$\left. \begin{array}{l}
 1^\circ(1.2.x^2) = 2x^2 \\
 2^\circ((-3).4.1) = -12 \\
 3^\circ(9.1.x) = 9x
 \end{array} \right\} 2x^2 + 9x - 12$$

$$-3x^2 + 4x + 18 - (-2x^2 - 9x + 12)$$

$$-5x^2 - 5x + 30$$

$$\Delta = (-5)^2 - 4 \cdot (-5) \cdot 30$$

$$\Delta = 25 + 600$$

$$\Delta = 625$$

$$X = \frac{-5 \pm \sqrt{625}}{-10}$$

$$\begin{array}{l}
 +5 + 25 = \frac{-30}{-10} = \textcircled{-3} \\
 2 \cdot (-5) \quad +5 - 25 = \frac{-20}{-10} = \textcircled{2}
 \end{array}$$