

## COMPETENCIA: MATRICES

2. DADA LA SIGUIENTE MATRIZ ESPECIFICAR LA POSICIÓN EXACTA DE LOS ELEMENTOS DE LA FILA Y LA COLUMNA, A QUE NÚMERO CORRESPONDE.

$$A = \begin{pmatrix} 3 & 8 & -5 & 2 \\ -4 & -9 & 0 & -1 \\ 5 & 4 & 1 & 6 \\ -2 & 1 & 9 & -8 \end{pmatrix}$$

$$a_{2,4} = -1 \quad a_{3,1} = \underline{\quad} \quad a_{4,4} = \underline{\quad} \quad a_{1,1} = \underline{\quad}$$

$$a_{3,4} = \underline{\quad} \quad a_{2,1} = \underline{\quad} \quad a_{1,3} = \underline{\quad} \quad a_{4,1} = \underline{\quad} \quad a_{5,1} = \underline{\quad}$$

$$a_{3,3} = \underline{\quad} \quad a_{4,2} = \underline{\quad} \quad a_{2,3} = \underline{\quad} \quad a_{3,2} = \underline{\quad} \quad a_{4,3} = \underline{\quad}$$

3. DADA LA SIGUIENTE MATRIZ ESPECIFICAR LA FILA Y COLUMNA, DEL NÚMERO CORRESPONDIENTE.

$$A = \begin{pmatrix} -6 & 9 & -3 & 8 \\ 0 & 7 & -2 & 6 \\ 3 & -5 & 5 & 1 \\ -9 & -7 & -1 & -8 \end{pmatrix} \quad \mathbf{1} = a_{3,4} \quad -1 = \underline{\quad} \quad -3 = \underline{\quad} \quad -8 = \underline{\quad} \quad 5 = \underline{\quad} \quad 0 = \underline{\quad}$$

$$9 = \underline{\quad} \quad 6 = \underline{\quad} \quad -6 = \underline{\quad} \quad 8 = \underline{\quad} \quad 7 = \underline{\quad} \quad -9 = \underline{\quad} \quad 3 = \underline{\quad} \quad -2 = \underline{\quad} \quad -7 = \underline{\quad}$$

4. DADA LA SIGUIENTE MATRIZ  $A = \begin{pmatrix} 8 & 3 & -2 & 15 & -5 \\ -3 & 10 & 0 & -5 & -6 \\ 6 & -4 & -9 & -3 & 7 \end{pmatrix}$  determina:

$$1) a_{2,5} + a_{3,4} = \underline{\quad} \quad 2) a_{1,2} \times a_{3,4} = \underline{\quad} \quad 3) -a_{2,3} + a_{3,1} = \underline{\quad}$$

$$4) (a_{2,1} + a_{3,2}) - a_{1,1} = \underline{\quad} \quad 5) -a_{3,5} + a_{2,4} - a_{1,3} = \underline{\quad}$$