

To find the determinate of a **SQUARE** matrix, follow this pattern:

$$A = \begin{bmatrix} a & b \\ c & d \end{bmatrix} \quad \det [A] = ad - bc$$

$$B = \begin{bmatrix} -4 & 2 \\ -5 & 13 \end{bmatrix} \quad \det [B] =$$

$$C = \begin{bmatrix} 2 & 5 \\ 1 & -3 \end{bmatrix} \quad \det [C] =$$

$$D = \begin{bmatrix} 1 & 0 \\ 5 & -2 \end{bmatrix} \quad \det [D] =$$

$$E = \begin{bmatrix} 7 & 3 & 7 \\ -2 & 0 & 15 \end{bmatrix} \quad \det [E] =$$

$$F = \begin{bmatrix} 3 & -5 \\ 2 & 1 \end{bmatrix} \quad \det [F] =$$