$$2 \begin{vmatrix} 4 & 1 \\ 0 & -3 \end{vmatrix}$$

$$4(-3) - 0(1) = -12 - 0 = \boxed{-12}$$

$$|B| = (-1)(1)(-2) = 2$$
 $|B| = c|A|$ 3
 $|B| = |A|$ $|A| = 2$

$$\frac{|B| = c |A|}{|A| = 2}$$

$$2(-2)(6) + (1)(0)(5) + (-1)(3)(1) - 5(-2)(-1) + 1(0)(7)$$

$$+ 6(3)(1) = -24 + 0 - 3 - (10 + 0 + 18) = -24 - 28$$

$$|A| = -55$$

$$|B| = c|A| = |B| = 3(3)|A|$$
 $288 = 9|A|$
 $|A| = \frac{288}{9} = 32$ $|A| = 32$

$$O(2)(5) + (-2)(-3)/9) + 3(1)(0) - 4(2)(3) + (0)(-3)(0) + 5(1)-2 = 0 + 24 + 0 - (24 + 0 - 10)$$

$$24 - 14 = 10$$

$$|A| = 10$$

$$C_{f_1} = \begin{vmatrix} -2 & 0^5 & 0 \\ 23 & -5 & -8 \\ 7 & -5 & 0 \end{vmatrix} \longrightarrow \begin{bmatrix} -2 & 0 & -7 & 0 \\ 23 & -5 & -8 & -7 & 0 \\ 7 & -5 & 0 & 7 & -5 & 0 \end{bmatrix}$$

$$7(-5)(0) + (-5)(-8)(-2) + 0/23(0) - (-2)(-5)(0) + (0)(-8)(7) - 0/23$$

 $(-5) = -80$

$$|B| = c |A| -160 = -2 |A|$$

$$|A| = -\frac{160}{2} = +80$$

$$|A| = 80$$

$$1(4)(3) + 1(6)(4) + (-1)(-3)(0) - 4(4)(-1) + (0)(6)(1) + 3(-3)(1)$$

$$12 + 24 - (-16 - 9) = 36 - (-25) = 36 + 25 = 61$$

$$|A| = -3(61)$$
 (1)
 $|A| = -183$

$$C_{F1} = \begin{vmatrix} 0 & 3 & 0 & 0 & 0 \\ -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 4 & 0 & 0 & 0 \end{vmatrix}$$

$$C_{f1} = 0 + 0 + 0 - (0 + 0 + 4(-1)/3)$$

 $C_{f1} = -(-12)$
 $C_{f1} = 12$

1A1= a2 d2 + abcd - abc8 + 62c2

Escaneado con CamScanner

16 = 888 - 336

1()=552

Escaneado con CamScanner

(B) = 5520

$$181 = c|A|$$

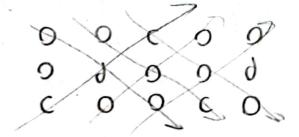
 $5520 = 401A1$
 $|A1 = \frac{5520}{40} = 138$

$$|B| = 1(4)(6)(2(4) - 3(-1))$$

 $|B| = 24(8 + 3) = 24(11) = 264$

$$181 = c |A1|$$
 $264 = 4|A1|$
 $1A1 = \frac{269}{4} = 66$
 18

$$1A1 = 66$$



$$|B| = \begin{vmatrix} 0 & 4 & 0 \\ 15 & -3 & 1 \\ -60 & 53 & 0 \end{vmatrix} = \begin{vmatrix} 0 & 4 & 0 \\ 15 & -3 & 1 \\ -60 & 53 & 0 \end{vmatrix} = \begin{vmatrix} 0 & 4 & 0 \\ 15 & -3 & 1 \\ -60 & 53 & 0 \end{vmatrix}$$

 $\Delta s = 0$

Escaneado con CamScanner

$$A = \begin{pmatrix} 1 & 3 & -1 & 2 \\ 0 & 11 & -5 & 3 \\ 2 & -5 & 3 & 1 \\ 4 & 1 & 1 & 5 \end{pmatrix} \longrightarrow \begin{pmatrix} 1 & 3 & -1 & 2 \\ 0 & 11 & -5 & 3 \\ 2 & -5 & 3 & 1 \\ 4 & 1 & 1 & 5 \end{pmatrix}$$

$$\begin{vmatrix}
1 & 3 & -1 & 2 \\
0 & 11 & -5 & 3 \\
0 & 0 & 0 & 0
\end{vmatrix}$$

$$\Delta_{5} = 0$$

$$\Delta s = 0$$

$$\begin{array}{c}
A = \begin{pmatrix}
0 & 1 & 3 & -2 \\
0 & 4 & -1 & 3 \\
0 & 0 & 1 & 1 \\
0 & 5 & -3 & 4
\end{pmatrix}$$