EJERACIOS DE SISTEMAS DE ECUACIONES : NETODO DE CRAMER Y SUSTITUCIÓN

4) (2x+2 - y = -3 => 2x+2-3y=-9

3x+15-3y+3x=12 => 6x-3y=-3 (-

D A

A Z Z Z Z

1)
$$\left(\frac{2(x+u)}{3} - \frac{4}{2} = \frac{q}{2} \Rightarrow \frac{qx+16-3y=27}{4x-3y=14}\right)$$

 $\left(\frac{2(x+u)}{3} - \frac{4}{2} = \frac{q}{2} \Rightarrow \frac{qx+16-3y=27}{4x-3y=14}\right)$
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 $\left(\frac{2(x+u)}{3} - \frac{4}{3} = \frac{q}{2} \Rightarrow \frac{qx+16-3y=27}{4x-3y=14}\right)$

A = 2 -3 = -6-(-10)

 $\Delta y = \begin{vmatrix} x & 1 \\ 2 & -11 \\ 6 & -3 \end{vmatrix} = -6 - (-66) = 60$

9 = 60 = 01 = 5

 $\Delta x = \begin{vmatrix} -11 & -3 \\ -3 & -3 \end{vmatrix} = 33 - 9 = 24$

$$\frac{2}{2} \left(\frac{9x-1}{2} + \frac{y-3}{3} = \frac{11}{6} \right) = \frac{5x-3+2y-6=11}{6x+2y=20}$$

$$\frac{2}{2} \left(\frac{8x-1}{2} + \frac{y-3}{3} = \frac{11}{6} + \frac{6x+2y=20}{4x-y+1} = \frac{12}{12} \right)$$

$$\frac{-3x}{5} + \frac{y-1}{10} = -\frac{6}{5} = \frac{3}{4x-y+1} = \frac{12}{12}$$

$$\frac{-3x+2y-1}{5} + \frac{y-1}{3} = \frac{11}{6} + \frac{6x+2y=20}{4x-y+1} = \frac{12}{12}$$

$$x = \frac{20 - 34}{6} \qquad 40 - 43 - 34 = 33$$

$$x = \frac{10 - 34}{6} \qquad 40 - 43 - 34 = 33$$

 $A = \begin{vmatrix} 5(x-1+y) = 25 \Rightarrow 5x-5+5y = 25 \\ 5x+5y=30 & -25 \\ 5x+5y=30 & -25 \end{vmatrix}$

 $\Delta x = \begin{vmatrix} -26 & -q \\ 30 & 5 \end{vmatrix} = -30[-q]$

x= 140 + x=2

5) $\sqrt{\frac{7x-9y}{2}} - \frac{2x+4}{2} = -15 = > 7x-9y-2x-4=-30}$

)
$$\sqrt{\frac{8x-2y}{3}} + 4y = \frac{13}{3} \Rightarrow 3x - 2y + 12y = 13$$

Dy= | 5 -26 | = 150-5(-26)

y= 280 => y=110

$$\frac{2(-2y+x)}{3} = \frac{3x}{3} = -\frac{13}{6} = -8y + 4x - 9x = -13$$

$$\frac{3}{3} = \frac{13 - 10y}{3} = -5\left(\frac{13 - 10y}{3}\right) - 8y = -13$$

7 = 13 - 10(1)

26 y = 26

$$-65 + 50y - 24y = -39$$

$$26y = 26$$

$$01x + b1x = C1$$

$$02x + b2x = C2$$

$$\begin{cases} a_1x + b_1x = c_1 \\ a_2x + b_2x = c_2 \\ \Delta = \begin{cases} a_1 & b_1 \\ a_2 & b_2 \end{cases} & \Delta x = \begin{cases} c_1 & b_1 \\ c_2 & b_2 \end{cases} & \Delta y = \begin{cases} a_1 & c_1 \\ a_2 & c_2 \end{cases} \\ \Delta = \begin{cases} a_1 & b_2 \\ a_2 & b_2 \end{cases} & \Delta x = \begin{cases} c_1 & b_1 \\ c_2 & b_2 \end{cases} & \Delta x = \begin{cases} c_1 & b_2 \\ c_2 & b_2 \end{cases} &$$

Ay = 01. (2 - (at . (1)