UDS

LICENCIATURA EN ADMINISTRACION DE EMPRESAS

MATEMATICAS APLICADAS A LAS CIENCIAS SOCIALES

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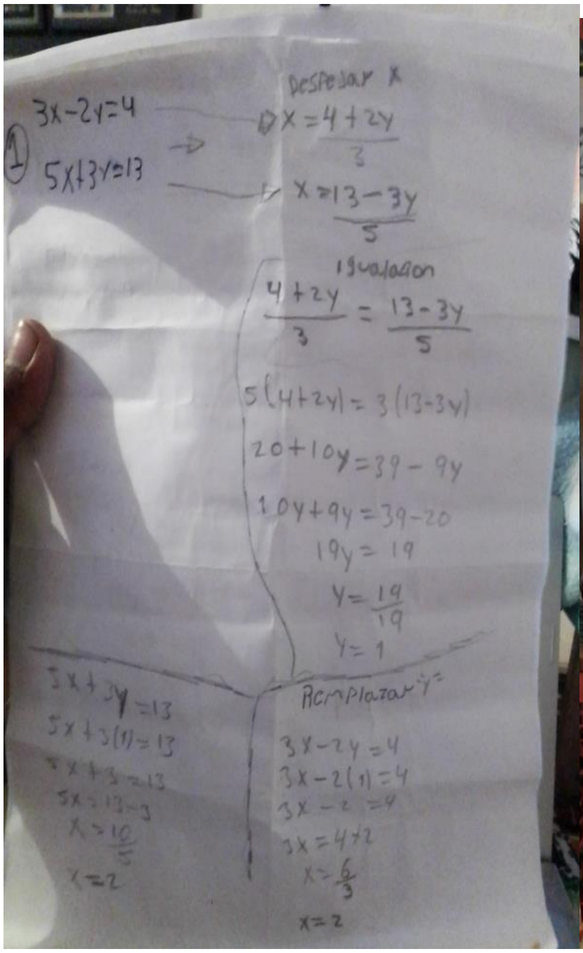
18/01/2021 24/01/2021



①

$3x-2y=4$

$5x+3y=13$

Despejar x

$x=\frac{4+2y}{3}$

$x=\frac{13-3y}{5}$

igualacion

$\frac{4+2y}{3}=\frac{13-3y}{5}$

$5(4+2y)=3(13-3y)$

$20+10y=39-9y$

$10y+9y=39-20$

$19y=19$

$y=\frac{19}{19}$

$y=1$

Remplazar "y"

$5x+3y=13$

$5x+3(1)=13$

$5x+3=13$

$5x=13-3$

$x=\frac{10}{5}$

$x=2$

$3x-2y=4$

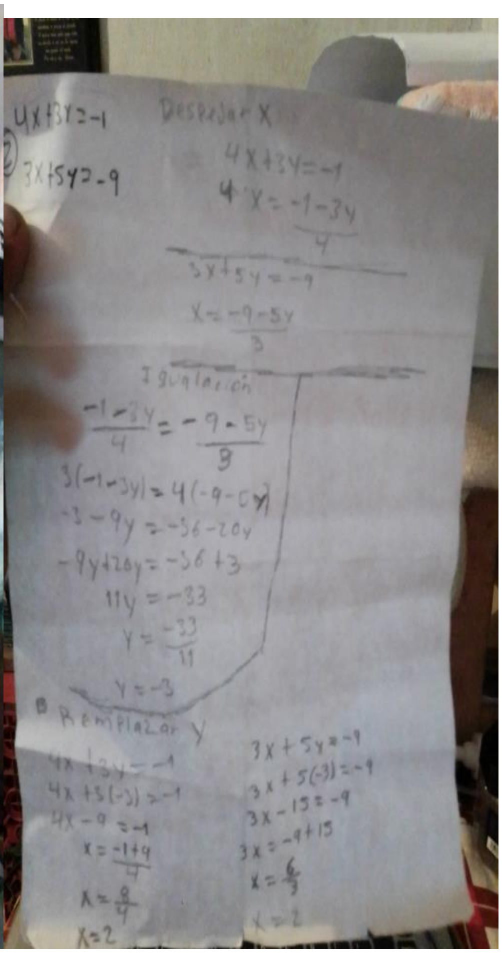
$3x-2(1)=4$

$3x-2=4$

$3x=4+2$

$x=\frac{6}{3}$

$x=2$



②

$4x+3y=-1$

$3x+5y=-9$

Despejar x

$4x+3y=-1$

$4\ x=\frac{-1-3y}{4}$

$3x+5y=-9$

$x=\frac{-9-5y}{3}$

Igualación

$\frac{-1-3y}{4}=\frac{-9-5y}{3}$

$3(-1-3y)=4(-9-5y)$

$-3-9y=-36-20y$

$-9y+20y=-36+3$

$11y=-33$

$y=\frac{-33}{11}$

$y=-3$

Remplazar y

$4x+3y=-1$

$4x+3(-3)=-1$

$4x-9=-1$

$x=\frac{-1+9}{4}$

$x=\frac{8}{4}$

$x=2$

$3x+5y=-9$

$3x+5(-3)=-9$

$3x-15=-9$

$3x=-9+15$

$x=\frac{6}{3}$

$x=2$