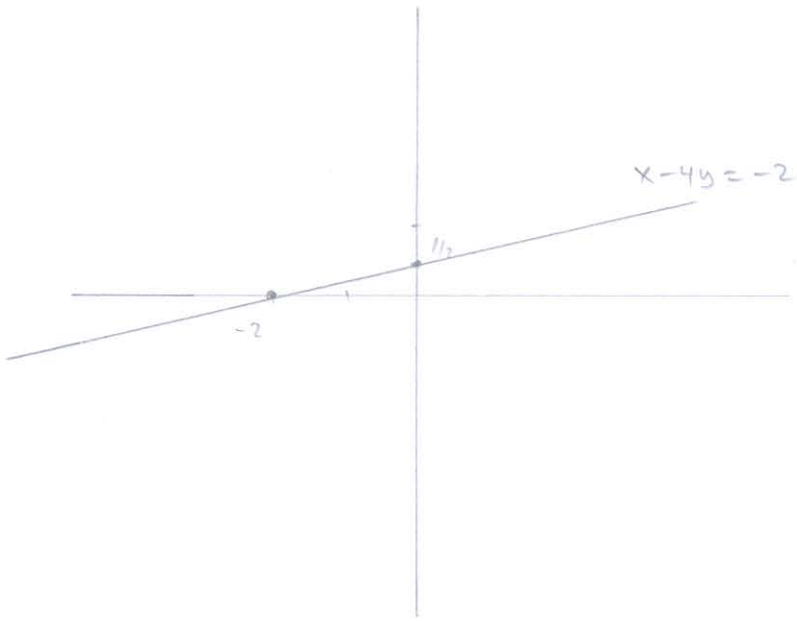
$$\left.\begin{matrix} x-4y=-2 \\ -2x+8y=-4 \end{matrix}\right\} \cdot 2 \qquad \left.\begin{matrix} 2x-8y=-4 \\ -2x+8y=-4 \end{matrix}\right\}$$

άρα $2x-8y=-4$

ή $x-4y=-2$

οπότε $x=4y-2$ άπειρες λύσεις $(4y-2, y)$, y πραγματικός αριθμός.



$x-4y=-2$

$x=0,\ -4y=-2$

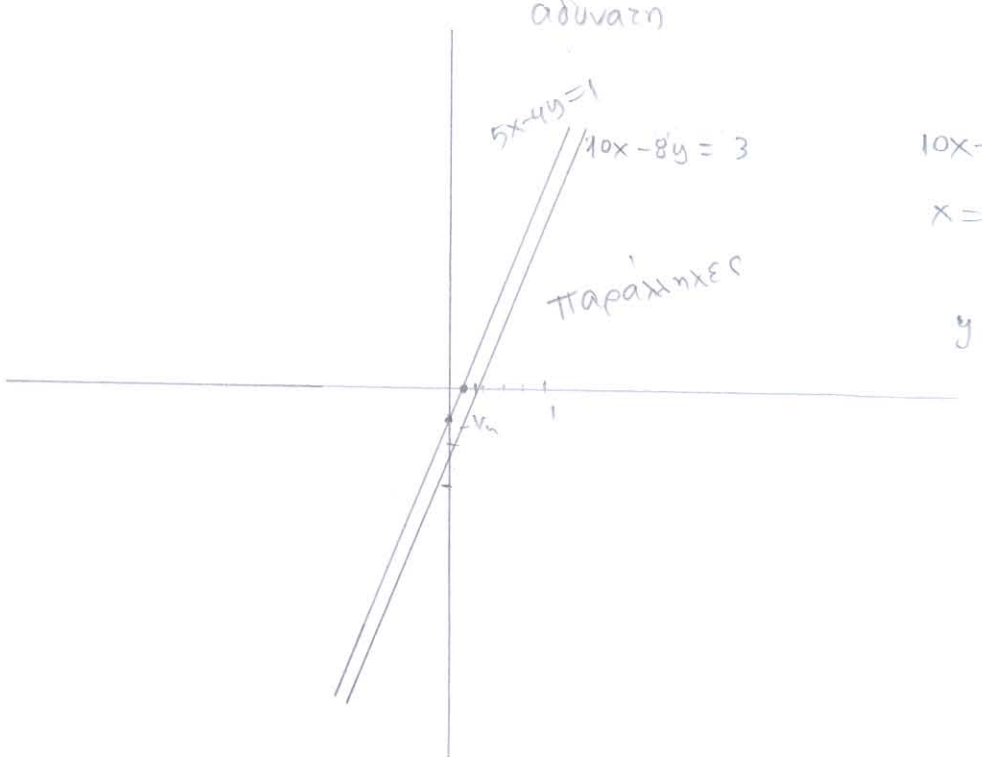
$y=\frac{1}{2}$

$y=0,\ x=-2$

$$\left.\begin{matrix} 5x-4y=1 \\ 10x-8y=3 \end{matrix}\right\} \cdot -2 \qquad \begin{matrix} -10x+8y=-2 \\ 10x-8y=3 \end{matrix}$$

$0x+0y=1$

αδύνατη



$5x-4y=1$

$x=0,\ -4y=1$

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

$y=0,\ 5x=1$

$x=\frac{1}{5}$

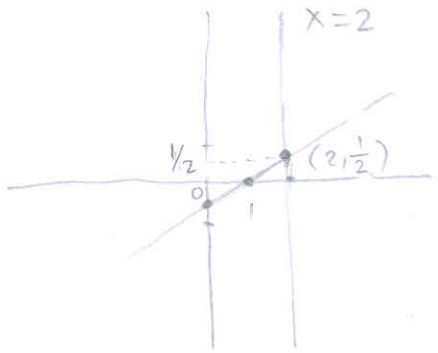
$10x-8y=3$

$x=0,\ y=-\frac{3}{8}$

$y=0,\ x=\frac{3}{10}$

$$\left.\begin{array}{l} x=2 \\ x-2y=1 \end{array}\right\} \quad \left.\begin{array}{l} x=2 \\ 2-2y=1 \end{array}\right\} \quad \left.\begin{array}{l} x=2 \\ -2y=1-2 \end{array}\right\} \quad \left.\begin{array}{l} x=2 \\ -2y=-1 \end{array}\right\} \quad \left.\begin{array}{l} x=2 \\ y=\frac{1}{2} \end{array}\right.$$

$$\left.\begin{array}{l} x=2 \\ x-2y=1 \end{array}\right\}$$



$x-2y=1$

para $y=0$, $x=1$

para $x=0$, $-2y=1$

$y=-\frac{1}{2}$

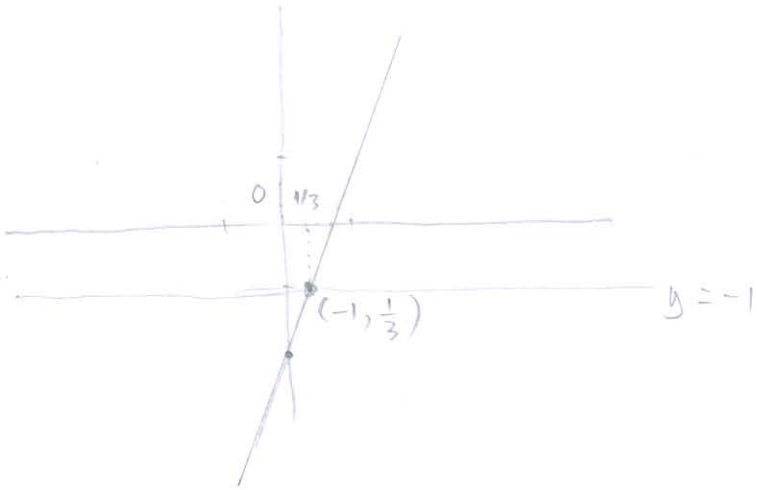
$$\left.\begin{array}{l} y=-1 \\ 3x-y=2 \end{array}\right\} \quad \left.\begin{array}{l} y=-1 \\ 3x-(-1)=2 \end{array}\right\} \quad \left.\begin{array}{l} y=-1 \\ 3x+1=2 \end{array}\right\} \quad \left.\begin{array}{l} y=-1 \\ 3x=2-1 \end{array}\right\} \quad \left.\begin{array}{l} y=-1 \\ 3x=1 \end{array}\right\} \quad \left.\begin{array}{l} y=-1 \\ x=\frac{1}{3} \end{array}\right.$$

$3x-y=2$

$y=0$, $3x=2$

$x=\frac{2}{3}$

$x=0$, $y=-2$



$$\left.\begin{array}{l} 2x-3y=-1 \\ 3x-y=2 \end{array}\right\} \quad \left.\begin{array}{l} 2x-3(3x-2)=-1 \\ 3x-2=y \end{array}\right\} \quad \left.\begin{array}{l} 2x-9x+6=-1 \\ 3x-2=y \end{array}\right\} \quad \left.\begin{array}{l} -7x=-7 \\ 3x-2=y \end{array}\right\} \quad \left.\begin{array}{l} x=1 \\ 3\cdot 1-2=y \end{array}\right\} \quad \left.\begin{array}{l} x=1 \\ y=1 \end{array}\right.$$

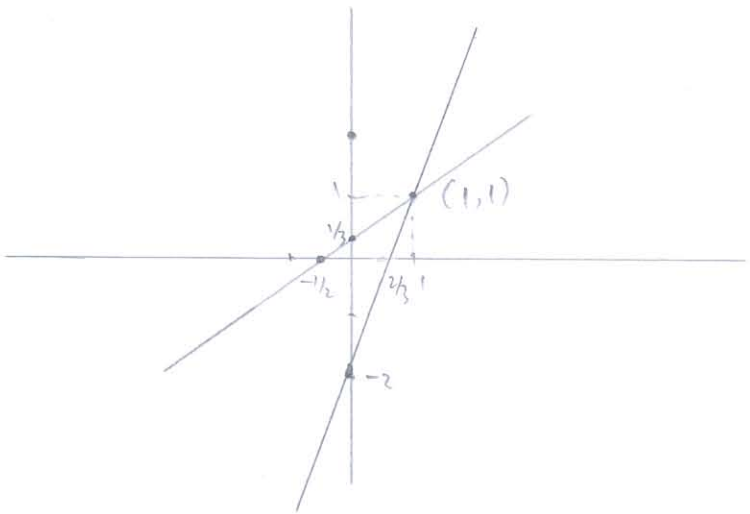
$2x-3y=-1$

$x=0$, $-3y=-1$

$y=\frac{1}{3}$

$y=0$, $2x=-1$

$x=-\frac{1}{2}$



$3x-y=2$

$x=0$, $y=-2$

$y=0$, $3x=2$

$x=\frac{2}{3}$