

nº 47

metodo del confronto

$$\begin{cases} \frac{1}{3}x + 4y = 5 \\ -x + \frac{1}{2}y = -\frac{5}{2} \end{cases}$$

$$\begin{cases} 4y = -\frac{1}{3}x + \frac{5}{4} \Rightarrow y = \left(-\frac{1}{3} \cdot \frac{1}{4}\right)x + \frac{5}{4} \Rightarrow y = -\frac{1}{12}x + \frac{5}{4} \end{cases}$$

IDEM

$$\begin{cases} \frac{4}{2}y = \frac{x}{\frac{1}{2}} - \frac{5}{\frac{2}{2}} \Rightarrow y = 2x - \left(\frac{5}{2} \cdot 2\right) \Rightarrow y = 2x - 5 \\ \frac{1}{2} \quad \frac{1}{2} \end{cases}$$

$$\begin{cases} y = -\frac{1}{12}x + \frac{5}{4} \\ y = 2x - 5 \end{cases}$$

$$\begin{cases} 2x - 5 = -\frac{1}{12}x + \frac{5}{4} \Rightarrow 2x + \frac{1}{12}x = 5 + \frac{5}{4} \\ y = 2x - 5 \end{cases}$$

$$\begin{cases} \frac{24 + 1x}{12} = \frac{20 + 5}{4} \Rightarrow \frac{25x}{12} = \frac{25}{4} \Rightarrow x = \frac{25}{4} \cdot \frac{12}{25} \Rightarrow x = 3 \end{cases}$$

$$y = 2(3) - 5 \Rightarrow y = 6 - 5 \Rightarrow y = 1 \quad P(3, 1)$$