

Sistemas lineales



Apellidos y Nombres:..... Fecha:.....

Método de Reducción

$$\begin{array}{l} \left\{ \begin{array}{l} 2x + 5y = 26 \\ 3x - 4y = -7 \end{array} \right. \quad \begin{array}{l} *(4) \\ *(5) \end{array} \quad \begin{array}{l} \text{Sustituyendo en (I):} \\ 2x + 5y = 26 \\ 2(3) + 5y = 26 \\ 6 + 5y = 26 \\ 5y = 26 - 6 \\ y = \frac{20}{5} \\ y = 4 \end{array} \quad \begin{array}{l} \therefore Rpta.: x = 3 \\ y = 4 \end{array} \\ 8x + 20y = 104 \\ 15x - 20y = -35 \\ 23x = 69 \\ x = \frac{69}{23} \\ x = 3 \end{array}$$

Resuelve

Elimina la variable y

$$\begin{array}{l} \left\{ \begin{array}{l} 2x + y = 4 \\ 3x - 2y = -1 \end{array} \right. \quad \begin{array}{l} *(\quad) \\ \hline \end{array} \quad \begin{array}{l} \text{Sustituyendo en (I):} \\ 2x + y = 4 \\ 2(\quad) + y = 4 \\ + y = 4 \\ y = 4 \end{array} \quad \begin{array}{l} \therefore Rpta.: x = \\ y = \end{array} \\ \begin{array}{r} x + y = \\ 3x - 2y = -1 \\ \hline x = \end{array} \end{array}$$

$$x = \underline{\hspace{2cm}}$$

$$x =$$