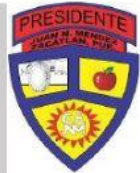




EXAMEN DE PRIMER PERIODO

Pensamiento Matemático 3



Nombre: _____

Instrucción: Arrastra, del cuadro de la izquierda, las secciones faltantes para completar la resolución del sistema de ecuaciones lineales.

Método de suma y resta

$$\begin{aligned}x - 2y &= 5 \\ 2x + 2y &= 28\end{aligned}$$

$$\begin{aligned}x &= \frac{33}{3} \\ x &= 11\end{aligned}$$

$$\begin{aligned}x - 2y &= 5 \\ 11 - 2y &= 5\end{aligned}$$

$$\begin{aligned}y &= \frac{-6}{-2} \\ y &= 3\end{aligned}$$

$$\begin{aligned}x - 2y &= 5 \\ 2x + 2y &= 28\end{aligned}$$

Método de sustitución

$$\begin{aligned}4x + 2y &= 136 \\ x + 5y &= 115\end{aligned}$$

$$4x + 2y = 136$$

$$\begin{aligned}4x + 2y &= 136 \\ 460 - 20y + 2y &= 136\end{aligned}$$

$$\begin{aligned}y &= \frac{-324}{-18} \\ y &= 18\end{aligned}$$

$$\begin{aligned}x &= 115 - 5y \\ x &= 115 - 90\end{aligned}$$

Método de Igualación

$$\begin{aligned}7m + 8n &= 1 \\ 2m + 3n &= 1\end{aligned}$$
$$\begin{aligned}n &= \frac{1-7m}{3} \\ 8 &= 1-7m \\ n &= \frac{1-2m}{3}\end{aligned}$$

$$\begin{aligned}1-2m &= 1-7m \\ 3 &= 8 \\ 8-16m &= 3-21m \\ 5 &= -5m \\ m &= \frac{5}{-5}\end{aligned}$$

$$\begin{aligned}7m + 8n &= 1 \\ 7(-1) + 8n &= 1 \\ -7 + 8n &= 1 \\ n &= \frac{8}{8}\end{aligned}$$

$$2(11) + 2(3) = 28$$

$$-18y = 136 - 460$$

$$y = 18$$

$$y = \frac{5-11}{-2}$$

$$4(115-5y) + 2y = 136$$

$$m = -1$$

$$8-3 = -21m + 16m$$

$$x = 115 - 5y$$

$$11 - 2(3) = 5$$

$$y = 3$$

$$3x + 0 = 33$$

$$n = 1$$

$$(8) 1 - 2m = (3) 1 - 7m$$

$$x = 11$$

$$8n = 1 + 7$$

$$x = 25$$

$$x = 115 - 5(18)$$

Método gráfico (Determina las coordenadas y dibuja las rectas en el plano cartesiano)

$$x + y = 12$$

$$2x + 4y = 38$$

Ecuación 1 (0,___) (___,0)

Ecuación 2 (0,___) (___,0)

