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GUÍA N°6: SISTEMA DE ECUACIONES LINEALES

1º MEDIO

NOMBRE: _____ FECHA _____

$$\begin{array}{l} 1. \quad \begin{array}{rcl} 5x & + & 2y = 9 \\ 4x & + & 8y = 20 \end{array} \end{array}$$

$$\begin{array}{l} 9. \quad \begin{array}{rcl} 4x & + & y = 7 \\ 2x & + & -2y = -9 \end{array} \end{array}$$

$$\begin{array}{l} 2. \quad \begin{array}{rcl} 5x & + & y = 13 \\ 2x & - & y = 1 \end{array} \end{array}$$

$$\begin{array}{l} 10. \quad \begin{array}{rcl} 10x & + & y = 5 \\ 5x & - & 2y = -5 \end{array} \end{array}$$

$$\begin{array}{l} 3. \quad \begin{array}{rcl} 2x & + & 5y = 1 \\ -x & + & y = 3 \end{array} \end{array}$$

$$\begin{array}{l} 11. \quad \begin{array}{rcl} 6x & + & 3y = 5 \\ 3x & - & 2y = \frac{1}{6} \end{array} \end{array}$$

$$\begin{array}{l} 4. \quad \begin{array}{rcl} 3x & - & 2y = -31 \\ x & + & y = 3 \end{array} \end{array}$$

$$\begin{array}{l} 12. \quad \begin{array}{rcl} -10x & - & 5y = -\frac{7}{2} \\ 20x & - & 8y = -20 \end{array} \end{array}$$

$$\begin{array}{l} 5. \quad \begin{array}{rcl} 4x & + & y = -23 \\ 2x & + & 3y = -19 \end{array} \end{array}$$

$$\begin{array}{l} 13. \quad \begin{array}{rcl} \frac{3}{2}x & - & \frac{5}{2}y = -\frac{7}{2} \\ \frac{2}{3}x & - & \frac{1}{2}y = -\frac{1}{3} \end{array} \end{array}$$

$$\begin{array}{l} 6. \quad \begin{array}{rcl} x & + & y = -5 \\ 2x & - & 2y = 2 \end{array} \end{array}$$

$$\begin{array}{l} 14. \quad \begin{array}{rcl} \frac{5}{2}x & + & \frac{y}{2} = -\frac{13}{2} \\ \frac{x}{4} & + & \frac{y}{2} = \frac{1}{4} \end{array} \end{array}$$

$$\begin{array}{l} 7. \quad \begin{array}{rcl} 2x & + & y = -4 \\ -2x & + & 3y = 12 \end{array} \end{array}$$

$$\begin{array}{l} 15. \quad \begin{array}{rcl} -\frac{5}{2}x & + & \frac{1}{2}y = 4 \\ -\frac{1}{3}x & + & \frac{y}{3} = \frac{2}{3} \end{array} \end{array}$$

$$\begin{array}{l} 8. \quad \begin{array}{rcl} 10x & + & 3y = -5 \\ -20x & + & 12y = 100 \end{array} \end{array}$$

$$\begin{array}{l} 16. \quad \begin{array}{rcl} x & + & y = 50 \\ 2x & + & 2y = 100 \end{array} \end{array}$$

Soluciones

1.	(1, 2)	9.	$\left(\frac{1}{2}, 5\right)$
2.	(2, 3)	10.	$\left(\frac{1}{5}, 3\right)$
3.	(-2, 1)	11.	$\left(\frac{1}{2}, \frac{2}{3}\right)$
4.	(-5, 8)	12.	$\left(-\frac{2}{5}, \frac{3}{2}\right)$
5.	(-5, -3)	13.	(1 , 2)
6.	(-2, -3)	14.	(-3, 2)
7.	(-3, 2)	15.	$\left(-\frac{3}{2}, \frac{1}{2}\right)$
8.	(-2, 5)	16.	INFINITAS SOLUCIONES