



GUÍA N°6: SISTEMA DE ECUACIONES LINEALES

1° MEDIO

NOMBRE: _____ FECHA _____

$$\begin{cases} 1. & 5x + 2y = 9 \\ & 4x + 8y = 20 \end{cases}$$

$$\begin{cases} 9. & 4x + y = 7 \\ & 2x + -2y = -9 \end{cases}$$

$$\begin{cases} 2. & 5x + y = 13 \\ & 2x - y = 1 \end{cases}$$

$$\begin{cases} 10. & 10x + y = 5 \\ & 5x - 2y = -5 \end{cases}$$

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

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

$$\begin{cases} 4. & 3x - 2y = -31 \\ & x + y = 3 \end{cases}$$

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

$$\begin{cases} 5. & 4x + y = -23 \\ & 2x + 3y = -19 \end{cases}$$

$$\begin{cases} 13. & \frac{3}{2}x - \frac{5}{2}y = -\frac{7}{2} \\ & \frac{2}{3}x - \frac{1}{2}y = -\frac{1}{3} \end{cases}$$

$$\begin{cases} 6. & x + y = -5 \\ & 2x - 2y = 2 \end{cases}$$

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

$$\begin{cases} 7. & 2x + y = -4 \\ & -2x + 3y = 12 \end{cases}$$

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

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

$$\begin{cases} 16. & x + y = 50 \\ & 2x + 2y = 100 \end{cases}$$

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