

SISTEMAS CON DOS INCÓGNITAS

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

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

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

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

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

6.
$$\begin{cases} x - y = 3 \\ -x + 3y = -1 \end{cases}$$

7.
$$\begin{cases} 4x - 3y = 5 \\ -2x + 5y = 1 \end{cases}$$

8.
$$\begin{cases} x + y = 1 \\ 3x + 2y = 0 \end{cases}$$

9.
$$\begin{cases} 5x - y = 3 \\ 2x - 2y = -2 \end{cases}$$

10.
$$\begin{cases} 3x + 2y = 5 \\ 7x + y = 8 \end{cases}$$

11.
$$\begin{cases} x + y = 7 \\ 2x - y = 23 \end{cases}$$

12.
$$\begin{cases} 5x - 6y = 3 \\ 7x - 2y = 17 \end{cases}$$

13.
$$\begin{cases} 2x + y = 9 \\ x - y = 3 \end{cases}$$

14.
$$\begin{cases} 3x + y = 6 \\ 2x - 3y = -7 \end{cases}$$

15.
$$\begin{cases} 3x - y = -5 \\ 2x + y = 0 \end{cases}$$

16.
$$\begin{cases} 5x + 3y = -1 \\ 3x + 5y = -7 \end{cases}$$

17.
$$\begin{cases} 12x - 7y = 3 \\ 15x - 3y = 21 \end{cases}$$

18.
$$\begin{cases} 4x + 12y = -8 \\ 5x - y = 6 \end{cases}$$

19.
$$\begin{cases} 3x + 5y = 12 \\ 5x + 3y = 4 \end{cases}$$

20.
$$\begin{cases} 7x - 3y = -5 \\ 5x + y = 9 \end{cases}$$

21.
$$\begin{cases} 2(x-3) = 2y \\ 2x - y = 5 \end{cases}$$

22.
$$\begin{cases} 5(x+2) = y \\ 2x + y = 3 \end{cases}$$

23.
$$\begin{cases} 3x + y = 5 \\ 2(x+1) = 2y \end{cases}$$

24.
$$\begin{cases} 2x + y = -5 \\ 3(x-2y) = 15 \end{cases}$$

25.
$$\begin{cases} 3x = 3(y-1) \\ 2 = 2(2x-y) \end{cases}$$

26.
$$\begin{cases} 2(3x-2) = -5y \\ 3(2x+3y) = 12 \end{cases}$$

27.
$$\begin{cases} x = 2(4-y) \\ y-3 = x-5 \end{cases}$$

28.
$$\begin{cases} x + 3y = x - 6 \\ x - 1 = 2y + 2x \end{cases}$$

29.
$$\begin{cases} 3(x-2y+1) = -3y \\ x+5y = 2x+3y+3 \end{cases}$$

30.
$$\begin{cases} 4x - y = 3(x-3+y) \\ 3x + 5y = -3x + 2y \end{cases}$$

$$31. \begin{cases} x + y = 8 \\ \frac{x}{2} + \frac{y}{3} = 3 \end{cases}$$

$$32. \begin{cases} x + 2y = 9 \\ 3x - \frac{y}{4} = 2 \end{cases}$$

$$33. \begin{cases} x + y = 3 \\ \frac{x}{3} + \frac{y}{2} = 2 \end{cases}$$

$$34. \begin{cases} x - 3y = 6 \\ \frac{x}{3} + 2y = 5 \end{cases}$$

$$35. \begin{cases} \frac{x}{2} - y = -2 \\ x - \frac{y}{2} = 2 \end{cases}$$

$$36. \begin{cases} \frac{x}{3} + \frac{y}{2} = 0 \\ \frac{2x}{3} + \frac{3y}{4} = 1 \end{cases}$$

$$37. \begin{cases} 3x + 2y = 0 \\ \frac{x}{2} + \frac{2y}{3} = -1 \end{cases}$$

$$38. \begin{cases} 3x = 6y \\ \frac{x}{2} = \frac{3y}{2} - 1 \end{cases}$$

$$39. \begin{cases} 2x - y = 1 \\ \frac{2x}{3} - \frac{y}{5} = 1 \end{cases}$$

$$40. \begin{cases} \frac{x-y}{2} + \frac{x+y}{3} = 1 \\ 2x - \frac{3y}{4} = 1 \end{cases}$$

$$41. \begin{cases} \frac{3x}{6} + \frac{y}{4} = 1 \\ \frac{2x}{10} - \frac{y}{6} = \frac{14}{15} \end{cases}$$

$$42. \begin{cases} x = 3y \\ \frac{2x}{3} = \frac{7y}{5} + 3 \end{cases}$$

$$43. \begin{cases} 3x - \frac{2y}{7} = 4 \\ y - 6 = x - 1 \end{cases}$$

$$44. \begin{cases} \frac{x+1}{y} = 2 \\ \frac{x}{y+1} = 1 \end{cases}$$

$$45. \begin{cases} 3(x-y) = 2x+1 \\ 4x-15y = -2x \end{cases}$$

$$46. \begin{cases} \frac{x+y}{x-y} = 5 \\ \frac{3x}{3+3y} = 1 \end{cases}$$

$$47. \begin{cases} \frac{2x-y}{x} = 4 \\ 2x+3y = 4 \end{cases}$$

$$48. \begin{cases} \frac{5x}{x+y} = 2 \\ 3x-2y = x-2 \end{cases}$$

$$49. \begin{cases} \frac{3x}{2x+y} = 2 - \frac{1}{5} \\ 2x+3y = 3 \end{cases}$$

$$50. \begin{cases} x + 5y = 2x \\ \frac{3x}{2} - 3y = \frac{9}{2} \end{cases}$$

Soluciones:

1. $x=1, y=1$

2. $x=1, y=0$

3. $x=2, y=-1$

4. $x=3, y=-2$

5. $x=0, y=1$

6. $x=4, y=1$

7. $x=2, y=1$

8. $x=-2, y=3$

9. $x=1, y=2$

10. $x=1, y=1$

11. $x=10, y=-3$

12. $x=3, y=2$

13. $x=4, y=1$

14. $x=1, y=3$

15. $x=-1, y=2$

16. $x=1, y=-2$

17. $x=2, y=3$

18. $x=1, y=-1$

19. $x=-1, y=3$

20. $x=1, y=4$

21. $x=2, y=-1$

22. $x=-1, y=5$

23. $x=1, y=2$

24. $x=-1, y=-3$

25. $x=2, y=3$

26. $x=-1, y=2$

27. $x=4, y=2$

28. $x=3, y=-2$

29. $x=1, y=2$

30. $x=-1, y=2$

31. $x=2, y=6$

32. $x=1, y=4$

33. $x=-3, y=6$

34. $x=9, y=1$

35. $x=4, y=4$

36. $x=6, y=-4$

37. $x=2, y=-3$

38. $x=4, y=2$

39. $x=3, y=5$

40. $x=2, y=4$

41. $x=3, y=-2$

42. $x=15, y=5$

43. $x=2, y=7$

44. $x=3, y=2$

45. $x=-5, y=-2$

46. $x=3, y=2$

47. $x=-1, y=2$

48. $x=2, y=3$

49. $x=3, y=-1$

50. $x=5, y=1$