

## 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.  $x=5, y=1$