

SISTEMAS DE DOS ECUACIONES LINEALES CON DOS INCOGNITAS

1.
$$\left. \begin{array}{l} 3x - 2y = 1 \\ x + y = 2 \end{array} \right\} \quad x = 1; y = 1$$

2.
$$\left. \begin{array}{l} x - 3y = 7 \\ 2x + 9y = 29 \end{array} \right\} \quad x = 10; y = 1$$

3.
$$\left. \begin{array}{l} x - y + 2 = 0 \\ 2x - 3y + 7 = 0 \end{array} \right\} \quad x = 1; y = 3$$

4.
$$\left. \begin{array}{l} x - 7(y - 1) = 44 \\ 2x - 3y - 19 = 0 \end{array} \right\} \quad x = 2; y = -5$$

5.
$$\left. \begin{array}{l} x - 2(y - 4) = 6 \\ (x - 6) + 2y = 8 \end{array} \right\} \quad x = 6; y = 4$$

6.
$$\left. \begin{array}{l} x - 18 = 2(y - 18) \\ x + 9 = \frac{5}{4}(y + 9) \end{array} \right\} \quad x = 36; y = 27$$

7.
$$\left. \begin{array}{l} \frac{x}{3} + \frac{y}{4} = x - \frac{5}{12} \\ \frac{y}{3} - \frac{x}{5} = \frac{1}{15}(x + y) \end{array} \right\} \quad x = 1; y = 1$$

8.
$$\left. \begin{array}{l} \frac{x + y}{2} - \frac{x - y}{2} = 2 \\ 3x - 10y = 16 \end{array} \right\} \quad x = 12; y = 2$$

9.
$$\left. \begin{array}{l} 2x - y = 14 \\ \frac{4x}{3} - \frac{y}{3} = 4 + \frac{2}{3} \end{array} \right\} \quad x = 0; y = -14$$

10.
$$\left. \begin{array}{l} (12 - x) + (y + 1) = 10 \\ 3(5 + x) - 6(y + 7) = 3 \end{array} \right\} \quad x = -4; y = -7$$

11.
$$\left. \begin{array}{l} \frac{x - y}{3} - \frac{x + y}{15} = 0 \\ 7x - \frac{17y - 4}{2} = 14 \end{array} \right\} \quad x = 9; y = 6$$

12.
$$\left. \begin{array}{l} 2(x - 3) + 5\left(\frac{y}{2} - 1\right) + 1 = 0 \\ \frac{6(x + 1)}{2} - \frac{5(y + x) - 2}{9} = 1 \end{array} \right\} \quad x = 0; y = 4$$

$$13. \left. \begin{array}{l} \frac{2}{3}x + y = -1 \\ \frac{x+1}{3} + \frac{y-1}{6} = -1 \end{array} \right\}$$

$$x = \frac{-9}{2}; y = 2$$

$$14. \left. \begin{array}{l} \frac{x+1}{3} + y = 1 \\ \frac{x-3}{4} + 2y = 1 \end{array} \right\}$$

$$x = -1; y = 1$$

$$15. \left. \begin{array}{l} \frac{2-x}{3} + \frac{3+y}{6} = 2 \\ \frac{8-3x}{6} - \frac{2+y}{9} = 2 \end{array} \right\}$$

$$x = -2; y = 1$$

$$16. \left. \begin{array}{l} \frac{x-1}{2} + \frac{y+1}{4} = 1 \\ \frac{2x-1}{2} - \frac{2y+1}{6} = 1 \end{array} \right\}$$

$$x = 2; y = 1$$