

次の連立方程式を解きなさい。

$$(1) \begin{cases} \frac{1}{2}x + \frac{1}{3}y = 1 \\ x + y = 4 \end{cases}$$

$$(2) \begin{cases} 8x - 3y = 9 \\ -\frac{1}{6}x + \frac{y}{2} = 2 \end{cases}$$

$$(3) \begin{cases} \frac{1}{6}x - \frac{1}{8}y = 1 \\ 2x + y = 2 \end{cases}$$

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

$$(5) \begin{cases} \frac{1}{6}x + \frac{4}{9}y = \frac{2}{9} \\ \frac{5}{12}x - \frac{8}{3}y = \frac{3}{2} \end{cases}$$

$$(6) \begin{cases} \frac{x}{3} + \frac{3y+1}{2} = 4 \\ \frac{3x-7}{9} + \frac{y-4}{3} = 1 \end{cases}$$