

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

右辺の( )をはずして  
まとめたから、上の式の  
xにそのまま代入する

$$\begin{cases} x + 2y = -1 \\ x = 6y - 10 + 1 \end{cases}$$

①代入

$$\begin{aligned} 6y - 10 + 1 + 2y &= -1 \\ 8y - 9 &= -1 \\ 8y &= -1 + 9 \\ 8y &= 8 \\ \boxed{y} &= \boxed{1} \end{aligned}$$

上の式のyに代入

$$\begin{aligned} x + 2 &= -1 \\ x &= -1 - 2 \end{aligned}$$

$$\boxed{x = -3}$$

答.  $x = -3$  ,  $y = 1$

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

両辺に  $\left(\frac{6}{1}\right)$  をかけて分数から  
整数に変える

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

$$\begin{cases} 4x + 3y = -1 & \text{①} \times 2 \\ 3x - 2y = 12 & \text{②} \times 3 \end{cases}$$

$$\begin{aligned} &\downarrow \\ &8x + 6y = -2 \\ + &\underline{9x - 6y = 36} \\ &17x = 34 \\ &\boxed{x} = \boxed{2} \end{aligned}$$

上の式のxに代入

$$\begin{aligned} 8 + 3y &= -1 \\ 3y &= -1 - 8 \\ 3y &= -9 \\ \boxed{y} &= \boxed{-3} \end{aligned}$$

答.  $x = 2$  ,  $y = -3$