

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

両辺に $\left(\frac{12}{1}\right)$ をかける

$$\downarrow$$

$$\begin{cases} 3x + 2y = 6 \\ \left(\frac{1}{4}x \times \frac{12}{1}\right) + \left(\frac{2}{3}y \times \frac{12}{1}\right) = -1 \times 12 \end{cases}$$

$$\downarrow$$

$$\begin{cases} 3x + 2y = 6 \\ 3x + 8y = -12 \end{cases}$$

$$- \begin{array}{r} 3x + 2y = 6 \\ 3x + 8y = -12 \\ \hline -6y = 18 \\ \boxed{y = -3} \end{array}$$

上の式のyに代入して
xを求める。

$$\begin{aligned} 3x + 2 \times (-3) &= 6 \\ 3x - 6 &= 6 \\ 3x &= 6 + 6 \\ 3x &= 12 \\ \boxed{x = 4} \end{aligned}$$

答. $x = 4, y = -3$

$$(6) \begin{cases} 0.2x + 0.3y = -0.2 \\ 5x + 2y = 17 \end{cases}$$

両辺を10倍する

$$\downarrow$$

$$\begin{cases} 2x + 3y = -2 \\ 5x + 2y = 17 \end{cases}$$

$\times 2$

$\times 3$

$$- \begin{array}{r} 4x + 6y = -4 \\ 15x + 6y = 51 \\ \hline -11x = -55 \\ \boxed{x = 5} \end{array}$$

下の式のxに代入して
yを求める

$$\begin{aligned} 25 + 2y &= 17 \\ 2y &= 17 - 25 \\ 2y &= -8 \\ \boxed{y = -4} \end{aligned}$$

答. $x = 5, y = -4$