

$$(3) \begin{cases} 6x - 7y = 12 \\ -3x + 2y = 3 \end{cases} \rightarrow \textcircled{\times 2}$$

$$\begin{array}{r} 6x - 7y = 12 \\ +) -6x + 4y = 6 \\ \hline -3y = 18 \\ -y = 6 \\ \boxed{y = -6} \end{array}$$

$$\begin{array}{l} \textcircled{\oplus} 6x + 42 = 12 \\ 6x = 12 - 42 \\ 6x = -30 \\ \boxed{x = -5} \end{array}$$

たしかめ

$$\textcircled{\oplus} -30 + 42 = 12 \dots \text{ok}$$

$$\underline{\text{答 } x = -5, y = -6}$$

$$(4) \begin{cases} 2x - 3y = -4 \rightarrow \textcircled{\times 2} \\ 4x + 5y = -8 \end{cases}$$

$$\begin{array}{r} 4x - 6y = -8 \\ -) 4x + 5y = -8 \\ \hline -11y = 0 \\ \boxed{y = 0} \end{array}$$

$$\begin{array}{l} \textcircled{\oplus} 4x + 0 = -8 \\ 4x = -8 \\ \boxed{x = -2} \end{array}$$

たしかめ

$$\textcircled{\oplus} -8 + 0 = -8$$

$$\underline{\text{答 } x = -2, y = 0}$$

2つの式両方ともかけ算するパターン

$$\begin{cases} 3x - 4y = -15 \rightarrow \textcircled{\times 3} \text{ にして } y \text{ を } -12y \text{ にしたい} \\ 2x + 3y = 7 \rightarrow \textcircled{\times 4} \text{ にして } y \text{ を } 12y \text{ にしたい} \end{cases}$$

$$\begin{array}{l} \downarrow \\ \begin{cases} 9x - 12y = -45 \\ 8x + 12y = 28 \end{cases} \end{array}$$

こうなったら あとはいつものパターン
で計算できる

$$\begin{array}{r} 9x - 12y = -45 \\ +) 8x + 12y = 28 \\ \hline 17x = -17 \\ \boxed{x = -1} \end{array}$$

たしかめ

$$\textcircled{\oplus} -2 + 9 = 7 \dots \text{ok}$$

$$\begin{array}{l} \textcircled{\oplus} -2 + 3y = 7 \\ 3y = 7 + 2 \\ 3y = 9 \\ \boxed{y = 3} \end{array}$$

$$\underline{\text{答 } x = -1, y = 3}$$