

練習  $x = -\frac{1}{4}$ ,  $y = \frac{1}{6}$  のとき、次の計算をしよう。

$$\begin{aligned}(1) \quad x - 2y + 3x - 4y &= 4x - 6y \\ &= 4 \times \left(-\frac{1}{4}\right) - 6 \times \frac{1}{6}, \\ &= -1 - 1 \\ &= \underline{-2}\end{aligned}$$

$$\begin{aligned}(2) \quad (8x - 14y) - (3x + 4y) &= 8x - 14y - 3x - 4y \\ &= 5x - 18y \\ &= 5 \times \left(-\frac{1}{4}\right) - 18 \times \frac{1}{6}, \\ &= -\frac{5}{4} - 3 \\ &= -\frac{5}{4} - \frac{12}{4} \\ &= \underline{-\frac{17}{4}}\end{aligned}$$

$$\begin{aligned}(3) \quad 7(x - 3y) - 3(x + 5y) &= 7x - 21y - 3x - 15y \\ &= 4x - 36y \\ &= 4 \times \left(-\frac{1}{4}\right) - 36 \times \frac{1}{6}, \\ &= -1 - 6 \\ &= \underline{-7}\end{aligned}$$

$$\begin{aligned}(4) \quad x = -1.2, \quad y = 0.5 \text{ のとき、} \quad -5(3x - 4y) - (5x - y) \text{ の値は?} \\ &= -15x + 20y - 5x + y \\ &= -20x + 21y \\ &= -20 \times (-1.2) + 21 \times 0.5 \\ &= 24 + 10.5 = \underline{34.5}\end{aligned}$$

$$\begin{aligned}(5) \quad x = \frac{1}{4}, \quad y = -\frac{2}{3} \text{ のとき、} \quad 2(x - 3y) - 3(-2x - 4y) \text{ の値は?} \\ &= 2x - 6y + 6x + 12y \\ &= 8x + 6y \\ &= 8 \times \frac{1}{4} + 6 \times \left(-\frac{2}{3}\right) \\ &= 2 - 4 = \underline{-2}\end{aligned}$$