

文字式と方程式

①～⑧を計算しましょう

$$\textcircled{1} \quad \frac{6a-10}{2} + \frac{15a-5}{5}$$

$$= 6a-6$$

$$\textcircled{2} \quad \frac{x-1}{2} - \frac{3x+4}{6}$$

$$= -\frac{7}{6}$$

$$\textcircled{3} \quad \frac{x-1}{3} + \frac{3x+4}{6}$$

$$= \frac{5x+2}{6}$$

$$\textcircled{4} \quad \frac{8a+5}{4} + \frac{-7a-9}{5}$$

$$= \frac{12a-11}{20}$$

$$\textcircled{5} \quad \frac{7a+3b}{2} - \frac{6a-2b}{5}$$

$$= \frac{23a+19b}{10}$$

$$\textcircled{6} \quad \frac{4a-b}{3} - \frac{a-3b}{2}$$

$$= \frac{5a+7b}{6}$$

$$\textcircled{7} \quad a - \frac{a+5b}{2}$$

$$= \frac{a-5b}{2}$$

$$\textcircled{8} \quad x+y - \frac{4x-2y}{2}$$

$$= -x+2y$$

⑨～⑫の方程式を解きましょう

$$\textcircled{9} \quad \frac{a-2}{3} = \frac{2a+3}{9}$$

$$a = 9$$

$$\textcircled{10} \quad \frac{5a+1}{4} - \frac{4a-2}{5} = 2$$

$$a = 3$$

$$\textcircled{11} \quad \frac{2x-1}{2} = \frac{3x+4}{6}$$

$$x = \frac{7}{3}$$

$$\textcircled{12} \quad \frac{8a+5}{4} + \frac{-7a-9}{5} = 1$$

$$a = \frac{31}{12}$$