

1次式の加法と減法

年 組 名前

/12

■ 次の計算をしなさい。

$$\textcircled{1} \quad \frac{6x+y}{4} - \frac{2x+5y}{9} =$$

$$\textcircled{2} \quad \frac{3x-5y}{8} + \frac{2x-3y}{5} =$$

$$\textcircled{3} \quad \frac{3x+4y}{5} + \frac{2x+3y}{3} =$$

$$\textcircled{4} \quad \frac{2a+b}{9} - \frac{a+5b}{6} =$$

$$\textcircled{5} \quad \frac{6x-y}{4} + \frac{5x+4y}{12} =$$

$$\textcircled{6} \quad \frac{3x-4y}{7} - \frac{3x-y}{3} =$$

$$\textcircled{7} \quad \frac{x+3y}{6} - \frac{5x+3y}{12} =$$

$$\textcircled{8} \quad \frac{5a-3b}{4} + \frac{4a+3b}{20} =$$

$$\textcircled{9} \quad \frac{4x-y}{2} + \frac{2x-5y}{12} =$$

$$\textcircled{10} \quad \frac{6x+5y}{7} - \frac{x-3y}{5} =$$

$$\textcircled{11} \quad \frac{2x-y}{15} + \frac{x-2y}{10} =$$

$$\textcircled{12} \quad \frac{a+2b}{5} - \frac{5a+2b}{9} =$$

1次式の加法と減法

年 組 名前

/12

■ 次の計算をしなさい。

$$\begin{aligned} \textcircled{1} \quad \frac{6x+y}{4} - \frac{2x+5y}{9} &= \frac{54x+9y}{36} - \frac{8x+20y}{36} \\ &= \frac{46x-11y}{36} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{3x-5y}{8} + \frac{2x-3y}{5} &= \frac{15x-25y}{40} + \frac{16x-24y}{40} \\ &= \frac{31x-49y}{40} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{3x+4y}{5} + \frac{2x+3y}{3} &= \frac{9x+12y}{15} + \frac{10x+15y}{15} \\ &= \frac{19x+27y}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{2a+b}{9} - \frac{a+5b}{6} &= \frac{4a+2b}{18} - \frac{3a+15b}{18} \\ &= \frac{a-13b}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{6x-y}{4} + \frac{5x+4y}{12} &= \frac{18x-3y}{12} + \frac{5x+4y}{12} \\ &= \frac{23x+y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{3x-4y}{7} - \frac{3x-y}{3} &= \frac{9x-12y}{21} - \frac{21x-7y}{21} \\ &= \frac{-12x-5y}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{x+3y}{6} - \frac{5x+3y}{12} &= \frac{2x+6y}{12} - \frac{5x+3y}{12} \\ &= \frac{-3x+3y}{12} \\ &= \frac{-x+y}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{5a-3b}{4} + \frac{4a+3b}{20} &= \frac{25a-15b}{20} + \frac{4a+3b}{20} \\ &= \frac{29a-12b}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{4x-y}{2} + \frac{2x-5y}{12} &= \frac{24x-6y}{12} + \frac{2x-5y}{12} \\ &= \frac{26x-11y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{6x+5y}{7} - \frac{x-3y}{5} &= \frac{30x+25y}{35} - \frac{7x-21y}{35} \\ &= \frac{23x+46y}{35} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{2x-y}{15} + \frac{x-2y}{10} &= \frac{4x-2y}{30} + \frac{3x-6y}{30} \\ &= \frac{7x-8y}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{a+2b}{5} - \frac{5a+2b}{9} &= \frac{9a+18b}{45} - \frac{25a+10b}{45} \\ &= \frac{-16a+8b}{45} \end{aligned}$$