

1次式の加法と減法

年 組 名前

/12

■ 次の計算をしなさい。

$$\textcircled{1} \quad \frac{5x+3y}{21} - \frac{5x+4y}{3} =$$

$$\textcircled{2} \quad \frac{5a+2b}{3} + \frac{a-5b}{4} =$$

$$\textcircled{3} \quad \frac{x+6y}{9} - \frac{3x+y}{6} =$$

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

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

$$\textcircled{6} \quad \frac{4x-y}{15} + \frac{2x+y}{3} =$$

$$\textcircled{7} \quad \frac{5a-3b}{4} + \frac{4a-5b}{20} =$$

$$\textcircled{8} \quad \frac{6x-5y}{7} - \frac{4x+y}{8} =$$

$$\textcircled{9} \quad \frac{3x-5y}{10} + \frac{2x-y}{4} =$$

$$\textcircled{10} \quad \frac{6a+b}{12} - \frac{6a+5b}{6} =$$

$$\textcircled{11} \quad \frac{x+4y}{5} - \frac{x+3y}{4} =$$

$$\textcircled{12} \quad \frac{2x-5y}{10} + \frac{2x+3y}{2} =$$

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$$\begin{aligned} \textcircled{1} \quad \frac{5x+3y}{21} - \frac{5x+4y}{3} &= \frac{5x+3y}{21} - \frac{35x+28y}{21} \\ &= \frac{-30x-25y}{21} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{5a+2b}{3} + \frac{a-5b}{4} &= \frac{20a+8b}{12} + \frac{3a-15b}{12} \\ &= \frac{23a-7b}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{x+6y}{9} - \frac{3x+y}{6} &= \frac{2x+12y}{18} - \frac{9x+3y}{18} \\ &= \frac{-7x+9y}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{5x+6y}{9} + \frac{6x-y}{2} &= \frac{10x+12y}{18} + \frac{54x-9y}{18} \\ &= \frac{64x+3y}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{3x+5y}{3} - \frac{5x-4y}{5} &= \frac{15x+25y}{15} - \frac{15x-12y}{15} \\ &= \frac{37y}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{4x-y}{15} + \frac{2x+y}{3} &= \frac{4x-y}{15} + \frac{10x+5y}{15} \\ &= \frac{14x+4y}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad \frac{5a-3b}{4} + \frac{4a-5b}{20} &= \frac{25a-15b}{20} + \frac{4a-5b}{20} \\ &= \frac{29a-20b}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad \frac{6x-5y}{7} - \frac{4x+y}{8} &= \frac{48x-40y}{56} - \frac{28x+7y}{56} \\ &= \frac{20x-47y}{56} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{3x-5y}{10} + \frac{2x-y}{4} &= \frac{6x-10y}{20} + \frac{10x-5y}{20} \\ &= \frac{16x-15y}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{6a+b}{12} - \frac{6a+5b}{6} &= \frac{6a+b}{12} - \frac{12a+10b}{12} \\ &= \frac{-6a-9b}{12} \\ &= \frac{-2a-3b}{4} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{x+4y}{5} - \frac{x+3y}{4} &= \frac{4x+16y}{20} - \frac{5x+15y}{20} \\ &= \frac{-x+y}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{2x-5y}{10} + \frac{2x+3y}{2} &= \frac{2x-5y}{10} + \frac{10x+15y}{10} \\ &= \frac{12x+10y}{10} \\ &= \frac{6x+5y}{5} \end{aligned}$$