

1次式の加法と減法

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■ 次の計算をしなさい。

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

$$\textcircled{7} \quad \frac{5x+3y}{2} - \frac{5x+4y}{8} =$$

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

$$\textcircled{8} \quad \frac{x+3y}{6} + \frac{5x-2y}{18} =$$

$$\textcircled{3} \quad \frac{3x-4y}{15} - \frac{4x+5y}{10} =$$

$$\textcircled{9} \quad \frac{2x-3y}{20} - \frac{5x+y}{5} =$$

$$\textcircled{4} \quad \frac{2x-y}{7} + \frac{3x+4y}{9} =$$

$$\textcircled{10} \quad \frac{3x-y}{6} + \frac{5x-6y}{4} =$$

$$\textcircled{5} \quad \frac{2a+5b}{3} - \frac{5a+6b}{8} =$$

$$\textcircled{11} \quad \frac{a-2b}{3} + \frac{4a+b}{4} =$$

$$\textcircled{6} \quad \frac{3x+5y}{4} + \frac{3x+y}{10} =$$

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

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$$\begin{aligned} \textcircled{1} \quad \frac{x+6y}{9} - \frac{2x+y}{5} &= \frac{5x+30y}{45} - \frac{18x+9y}{45} \\ &= \frac{-13x+21y}{45} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{4a-3b}{5} + \frac{5a-3b}{4} &= \frac{16a-12b}{20} + \frac{25a-15b}{20} \\ &= \frac{41a-27b}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{3x-4y}{15} - \frac{4x+5y}{10} &= \frac{6x-8y}{30} - \frac{12x+15y}{30} \\ &= \frac{-6x-23y}{30} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{2x-y}{7} + \frac{3x+4y}{9} &= \frac{18x-9y}{63} + \frac{21x+28y}{63} \\ &= \frac{39x+19y}{63} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad \frac{2a+5b}{3} - \frac{5a+6b}{8} &= \frac{16a+40b}{24} - \frac{15a+18b}{24} \\ &= \frac{a+22b}{24} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad \frac{3x+5y}{4} + \frac{3x+y}{10} &= \frac{15x+25y}{20} + \frac{6x+2y}{20} \\ &= \frac{21x+27y}{20} \end{aligned}$$

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

$$\begin{aligned} \textcircled{8} \quad \frac{x+3y}{6} + \frac{5x-2y}{18} &= \frac{3x+9y}{18} + \frac{5x-2y}{18} \\ &= \frac{8x+7y}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{2x-3y}{20} - \frac{5x+y}{5} &= \frac{2x-3y}{20} - \frac{20x+4y}{20} \\ &= \frac{-18x-7y}{20} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{3x-y}{6} + \frac{5x-6y}{4} &= \frac{6x-2y}{12} + \frac{15x-18y}{12} \\ &= \frac{21x-20y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{a-2b}{3} + \frac{4a+b}{4} &= \frac{4a-8b}{12} + \frac{12a+3b}{12} \\ &= \frac{16a-5b}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{x-5y}{7} - \frac{x-6y}{6} &= \frac{6x-30y}{42} - \frac{7x-42y}{42} \\ &= \frac{-x+12y}{42} \end{aligned}$$