

1次式の加法と減法

年 組 名前

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■ 次の計算をしなさい。

$$\textcircled{1} \quad \frac{5x-y}{4} - \frac{2x-3y}{3} =$$

$$\textcircled{2} \quad \frac{4a-b}{7} + \frac{5a+3b}{2} =$$

$$\textcircled{3} \quad \frac{x+2y}{6} + \frac{5x+4y}{15} =$$

$$\textcircled{4} \quad \frac{5x-6y}{16} - \frac{x-2y}{2} =$$

$$\textcircled{5} \quad \frac{3x+5y}{12} + \frac{2x-y}{6} =$$

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

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

$$\textcircled{8} \quad \frac{a-5b}{15} + \frac{3a+b}{3} =$$

$$\textcircled{9} \quad \frac{3x-4y}{6} + \frac{3x+4y}{2} =$$

$$\textcircled{10} \quad \frac{5a+b}{7} - \frac{a+6b}{6} =$$

$$\textcircled{11} \quad \frac{3x+2y}{6} + \frac{4x+5y}{9} =$$

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

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$$\begin{aligned} \textcircled{1} \quad \frac{5x-y}{4} - \frac{2x-3y}{3} &= \frac{15x-3y}{12} - \frac{8x-12y}{12} \\ &= \frac{7x+9y}{12} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad \frac{4a-b}{7} + \frac{5a+3b}{2} &= \frac{8a-2b}{14} + \frac{35a+21b}{14} \\ &= \frac{43a+19b}{14} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad \frac{x+2y}{6} + \frac{5x+4y}{15} &= \frac{5x+10y}{30} + \frac{10x+8y}{30} \\ &= \frac{15x+18y}{30} \\ &= \frac{5x+6y}{10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad \frac{5x-6y}{16} - \frac{x-2y}{2} &= \frac{5x-6y}{16} - \frac{8x-16y}{16} \\ &= \frac{-3x+10y}{16} \end{aligned}$$

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

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

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

$$\begin{aligned} \textcircled{8} \quad \frac{a-5b}{15} + \frac{3a+b}{3} &= \frac{a-5b}{15} + \frac{15a+5b}{15} \\ &= \frac{16a}{15} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad \frac{3x-4y}{6} + \frac{3x+4y}{2} &= \frac{3x-4y}{6} + \frac{9x+12y}{6} \\ &= \frac{12x+8y}{6} \\ &= \frac{6x+4y}{3} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad \frac{5a+b}{7} - \frac{a+6b}{6} &= \frac{30a+6b}{42} - \frac{7a+42b}{42} \\ &= \frac{23a-36b}{42} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad \frac{3x+2y}{6} + \frac{4x+5y}{9} &= \frac{9x+6y}{18} + \frac{8x+10y}{18} \\ &= \frac{17x+16y}{18} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad \frac{3x-5y}{2} - \frac{x+3y}{12} &= \frac{18x-30y}{12} - \frac{x+3y}{12} \\ &= \frac{17x-33y}{12} \end{aligned}$$