

# 愛知県公立入試問題過去問②【1、2年】

文字式の和、差

( ) 組 ( ) 番 氏名 ( )

$$【13B】 \frac{3x-2y}{4} - \frac{x-3y}{6}$$

$$【14B】 4\left(a - \frac{b}{2}\right) + \frac{a+6b}{3}$$

$$【15B】 \frac{3(x+2y)}{2} - \frac{x+9y}{3}$$

$$【16A】 2a - \frac{5}{6}a - \frac{3}{8}a$$

$$【20B】 \frac{1}{2}(x-4) - \frac{2}{5}(x-5)$$

$$【21A】 \frac{6x-1}{3} - \frac{4x-1}{2}$$

$$【22A】 \frac{5x-3}{4} - \frac{2x-1}{3}$$

$$【23A】 \frac{7x+8y}{2} - (3x+4y)$$

$$【23B】 \frac{1}{3}(x-6) - \frac{1}{4}(x-8)$$

$$【24A】 \frac{1}{5}(2x+3) - \frac{1}{3}(x+2)$$

$$[24B] \frac{2x-y}{2} - \frac{3x-2y}{3}$$

$$[25A] \frac{6x-2}{3} - (2x-5)$$

$$[27B] \frac{2x-3y}{6} - \frac{x-2y}{4}$$

$$[28B] 6\left(\frac{2}{3}x - \frac{y}{4}\right) - 2(2x-y)$$

$$[29A] \frac{2x-1}{3} - \frac{3x+1}{5}$$

$$[30A] \frac{7x-4}{8} - \frac{x-1}{2}$$

$$[31A] \frac{5x+3}{3} - \frac{3x+2}{2}$$

$$[R2A] \frac{2}{3}(2x-3) - \frac{1}{5}(3x-10)$$

$$\begin{aligned}
 [13B] \quad & \frac{3x-2y}{4} - \frac{x-3y}{6} \\
 = & \frac{3(3x-2y)}{12} - \frac{2(x-3y)}{12} \\
 = & \frac{9x-6y-2(x-3y)}{12} \\
 = & \frac{9x-6y-2x+6y}{12} \\
 = & \frac{7x}{12} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 [14B] \quad & 4\left(a - \frac{b}{2}\right) + \frac{a+6b}{3} \\
 = & 4a - 2b + \frac{a+6b}{3} \\
 = & \frac{3(4a-2b)}{3} + \frac{a+6b}{3} \\
 = & \frac{12a-6b+a+6b}{3} \\
 = & \frac{13a}{3} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 [15B] \quad & \frac{3(x+2y)}{2} - \frac{x+9y}{3} \\
 = & \frac{9(x+2y)}{6} - \frac{2(x+9y)}{6} \\
 = & \frac{9x+18y-2x-18y}{6} \\
 = & \frac{7x}{6} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 [16A] \quad & 2a - \frac{5}{6}a - \frac{3}{8}a \\
 = & \frac{48}{24}a - \frac{20}{24}a - \frac{9}{24}a \\
 = & \frac{19}{24}a \quad \#
 \end{aligned}$$

$$\begin{aligned}
 [20B] \quad & \frac{1}{2}(x-4) - \frac{2}{5}(x-5) \\
 = & \frac{5}{10}(x-4) - \frac{4}{10}(x-5) \\
 = & \frac{5(x-4)-4(x-5)}{10} \\
 = & \frac{5x-20-4x+20}{10} \\
 = & \frac{1}{10}x \quad \#
 \end{aligned}$$

$$\begin{aligned}
 [21A] \quad & \frac{6x-1}{3} - \frac{4x-1}{2} \\
 = & \frac{2(6x-1)}{6} - \frac{3(4x-1)}{6} \\
 = & \frac{2(6x-1)-3(4x-1)}{6} \\
 = & \frac{12x-2-12x+3}{6} \\
 = & \frac{1}{6} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [22A] \frac{5x-3}{4} - \frac{2x-1}{3} \\
 = & \frac{3(5x-3)}{12} - \frac{4(2x-1)}{12} \\
 = & \frac{15x-9-8x+4}{12} \\
 = & \frac{7x-5}{12} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [23A] \frac{7x+8y}{2} - (3x+4y) \\
 = & \frac{7x+8y}{2} - \frac{2(3x+4y)}{2} \\
 = & \frac{7x+8y-6x-8y}{2} \\
 = & \frac{\frac{1}{2}x}{2} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [23B] \frac{1}{3}(x-6) - \frac{1}{4}(x-8) \\
 = & \frac{4(x-6)}{12} - \frac{3(x-8)}{12} \\
 = & \frac{4x-24-3x+24}{12} \\
 = & \frac{\frac{1}{12}x}{12} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [24A] \frac{1}{5}(2x+3) - \frac{1}{3}(x+2) \\
 = & \frac{3(2x+3)}{15} - \frac{5(x+2)}{15} \\
 = & \frac{6x+9-5x-10}{15} \\
 = & \frac{x-1}{15} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [24B] \frac{2x-y}{2} - \frac{3x-2y}{3} \\
 = & \frac{3(2x-y)}{6} - \frac{2(3x-2y)}{6} \\
 = & \frac{6x-3y-6x+4y}{6} \\
 = & \frac{\frac{1}{6}y}{6} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [25A] \frac{6x-2}{3} - (2x-5) \\
 = & \frac{6x-2}{3} - \frac{3(2x-5)}{3} \\
 = & \frac{6x-2-6x+15}{3} \\
 = & \frac{13}{3} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [27B] \quad \frac{2x-3y}{6} - \frac{x-2y}{4} \\
 = & \frac{2(2x-3y)}{12} - \frac{3(x-2y)}{12} \\
 = & \frac{4x-6y-3x+6y}{12} \\
 = & \frac{1}{12}x \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [28B] \quad 6\left(\frac{2}{3}x - \frac{y}{4}\right) - 2(2x-y) \\
 = & 4x - \frac{3}{2}y - 4x + 2y \\
 = & -\frac{3}{2}y + \frac{4}{2}y \\
 = & \frac{1}{2}y \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [29A] \quad \frac{2x-1}{3} - \frac{3x+1}{5} \\
 = & \frac{5(2x-1)}{15} - \frac{3(3x+1)}{15} \\
 = & \frac{10x-5}{15} - \frac{9x+3}{15} \\
 = & \frac{10x-5-9x-3}{15} \\
 = & \frac{x-8}{15} \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [30A] \quad \frac{7x-4}{8} - \frac{x-1}{2} \\
 = & \frac{7x-4}{8} - \frac{4(x-1)}{8} \\
 = & \frac{7x-4-4x+4}{8} \\
 = & \frac{3}{8}x \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [31A] \quad \frac{5x+3}{3} - \frac{3x+2}{2} \\
 = & \frac{2(5x+3)}{6} - \frac{3(3x+2)}{6} \\
 = & \frac{10x+6-9x-6}{6} \\
 = & \frac{1}{6}x \quad \#
 \end{aligned}$$

$$\begin{aligned}
 & [R2A] \quad \frac{2}{3}(2x-3) - \frac{1}{5}(3x-10) \\
 = & \frac{10(2x-3)}{15} - \frac{3(3x-10)}{15} \\
 = & \frac{20x-30-9x+30}{15} \\
 = & \frac{11}{15}x \quad \#
 \end{aligned}$$