

文字の式（乗法・除法④）

組 番 名前

1 次の計算をしなさい。

$$\begin{aligned} \textcircled{1} \quad & 3(a-1)+6a \\ & = 3a-3+6a \\ & = \underline{9a-3} \end{aligned}$$

$$\begin{aligned} \textcircled{2} \quad & x-4(2x-3) \\ & = x-8x+12 \\ & = \underline{-7x+12} \end{aligned}$$

$$\begin{aligned} \textcircled{3} \quad & 2(3x+1)+6(x-2) \\ & = 6x+2+6x-12 \\ & = \underline{12x-10} \end{aligned}$$

$$\begin{aligned} \textcircled{4} \quad & 4(a+3)-2(a+2) \\ & = 4a+12-2a-4 \\ & = \underline{2a+8} \end{aligned}$$

$$\begin{aligned} \textcircled{5} \quad & 3(x-2)-5(2x+1) \\ & = 3x-6-10x-5 \\ & = \underline{-7x-11} \end{aligned}$$

$$\begin{aligned} \textcircled{6} \quad & 6(2a+1)-4(-a-3) \\ & = 12a+6+4a+12 \\ & = \underline{16a+18} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad & 2(-5+6y)-3(4y-3) \\ & = -10+12y-12y+9 \\ & = \underline{-1} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad & -7(2x-3)-4(-3x+5) \\ & = -14x+21+12x-20 \\ & = \underline{-2x+1} \end{aligned}$$

$$\begin{aligned} \textcircled{9} \quad & \frac{1}{3}(6x+9)+\frac{1}{2}(4x-2) \\ & = 2x+3+2x-1 \\ & = \underline{4x+2} \end{aligned}$$

$$\begin{aligned} \textcircled{10} \quad & \frac{1}{5}(5a-10)-\frac{3}{4}(-8a+4) \\ & = a-2+6a-3 \\ & = \underline{7a-5} \end{aligned}$$

$$\begin{aligned} \textcircled{11} \quad & \frac{1}{2}(8x-4)+\frac{1}{5}(5x+10) \\ & = 4x-2+x+2 \\ & = \underline{5x} \end{aligned}$$

$$\begin{aligned} \textcircled{12} \quad & \frac{1}{4}(12a-8)-\frac{2}{3}(6a-15) \\ & = 3a-2-4a+10 \\ & = \underline{-a+8} \end{aligned}$$

2 A地からB地まで行くのに、最初は毎分60mの速さで歩き、途中から毎分200mの速さで走ったら、全体で30分かかった。歩いた時間を a 分とするとき、A地からB地までの道のりを、 a を使った式で表しなさい。

$$\begin{aligned} & 60a+200(30-a) \\ & = 60a+6000-200a \\ & = \underline{-140a+6000} \end{aligned}$$