

## 高校入試 計算練習 1、2年生の問題

**NO.1**

名前

/ 10 点

1 次の計算をなさい。

①  $7 + (-12)$

②  $(-26) \div (-2)$

③  $12 - 6 \div (-3)$

④  $(-4^2) \div (-2)^2$

⑤  $-42a^2b \div 6ab$

⑥  $2a - 3(2 - 5a)$

⑦  $3(4x - y) + 2(x + 3y)$

2 次の方程式を解きなさい

①  $4x = 27 - 5x$

②  $6x = 9(x + 3)$

③ 
$$\begin{cases} y = x - 3 \\ 2x + 4y = -6 \end{cases}$$

## 解答

1

$$\textcircled{1} \quad 7 - 12 = -5$$

$$\textcircled{2} \quad 13$$

$$\textcircled{3} \quad 12 - (-2) = 14$$

$$\textcircled{4} \quad -16 \div 4 = -4$$

$$\textcircled{5} \quad -\frac{42ab}{6ab} = -7a$$

$$\textcircled{6} \quad 2a - 6 + 15a = 17a - 6$$

$$\textcircled{7} \quad 12x - 3y + 2x + 6y = 14x + 3y$$

2

$$\textcircled{1} \quad \begin{aligned} 9x &= 27 \\ x &= 3 \end{aligned}$$

$$\textcircled{2} \quad \begin{aligned} 6x &= 9x + 27 \\ -3x &= 27 \\ x &= -9 \end{aligned}$$

$$\textcircled{3} \quad \begin{cases} y = x - 3 & \dots\textcircled{1} \\ 2x + 4y = -6 & \dots\textcircled{2} \end{cases}$$

①を②に代入

$$2x + 4(x - 3) = -6$$

$$2x + 4x - 12 = -6$$

$$6x = 6$$

$$x = 1$$

$$\textcircled{1} \text{に代入} \quad y = 1 - 3 = -2$$

$$\underline{\underline{x = 1, y = -2}}$$