

高校入試計算練習 1、2年生のまとめ

N0.5

名前

／10 点

1 次の計算をなさい。

$$(1) \quad 3 + (-15)$$

$$(2) \quad \left(-\frac{5}{3}\right) \div \left(-\frac{10}{9}\right)$$

$$(3) \quad 1 - 6 \div 2$$

$$(4) \quad (-6)^2 + (-2)^2$$

$$(5) \quad (10a - 4) \div 2$$

$$(6) \quad 7(x - 2y) - 2(3x - 4y)$$

$$(7) \quad 9a^3 \div 21ab \times 7b^2$$

2 次の方程式を解きなさい

$$(1) \quad 4x + 3 = -x + 4$$

$$(2) \quad 3x - 10 = 5(x - 3)$$

$$(3) \quad \begin{cases} 2x + 3y = -9 \\ -3x - 4y = 11 \end{cases}$$

解答

1

$$(1) \quad -12$$

$$(2) \quad \left(-\frac{5}{3}\right) \times \left(-\frac{9}{10}\right) = \underline{\underline{\frac{3}{2}}}$$

$$(3) \quad 1 - 3 = -2$$

$$(4) \quad 36 + 4 = \underline{\underline{40}}$$

$$(5) \quad 5a - 2$$

$$(6) \quad 7x - 14y - 6x + 8y = \underline{\underline{x - 6y}}$$

$$(7) \quad \frac{63a^4b^2}{21ab} = \underline{\underline{3a^3b}}$$

2

$$(1) \quad \begin{aligned} 5x &= 1 \\ x &= \frac{1}{5} \end{aligned}$$

$$(2) \quad \begin{aligned} 3x - 10 &= 5x - 15 \\ 3x - 5x &= -15 + 10 \\ -2x &= -5 \\ x &= \frac{5}{2} \end{aligned}$$

$$(3) \quad \begin{aligned} 2x + 3y &= -9 \quad \cdots \textcircled{1} \\ -3x - 4y &= 11 \quad \cdots \textcircled{2} \end{aligned}$$

$$\textcircled{1} \times 3 - \textcircled{2} \times 2 \text{ で,}$$

$$6x + 9y = -27$$

$$+) \quad -6x - 8y = 22$$

$$y = -5$$

$$y = -5 \text{ を } \textcircled{1} \text{ に代入して,}$$

$$2x + 3 \times -5 = -9$$

$$2x = 6$$

$$x = 3$$

$$(x, y) = (3, -5)$$