

2年数学 5/7 (木) 分の解答

P14 仕上げめ④

$$(1) 5(x+3y) \\ = 5x + 15y$$

$$(2) -3(2x-4y-3) \\ = -6x + 12y + 9$$

問題5

$$(1) 4(3x-y+2) \\ = 12x - 4y + 8$$

$$(2) -7(-2x+3y) \\ = 14x - 21y$$

$$(3) 6\left(\frac{a}{3} - \frac{b}{2}\right) \\ = 2a - 3b$$

$$(4) (-4x-6y+10) \times \left(-\frac{1}{2}\right) \\ = 2x + 3y - 5$$

仕上げめ⑤

$$(12x-20y) \div 4 \\ = 3x - 5y$$

問題6

$$(1) (-9a+12b) \div 3 \\ = -3a + 4b$$

$$(2) (15x^2-5x+30) \div (-5) \\ = -3x^2 + x - 6$$

P15 問題7

$$(1) 2(x+4y) + 3(x-5y) \\ = 2x + 8y + 3x - 15y \\ = 5x - 7y$$

$$(2) 4(3a-2b) + 6(-a+3b) \\ = 12a - 8b - 6a + 18b \\ = 6a + 10b$$

$$(3) 3(3x-y) - 5(2x+y) \\ = 9x - 3y - 10x - 5y \\ = -x - 8y$$

$$(4) 3(x^2+4x-2) - 2(6x-1) \\ = 3x^2 + 12x - 6 - 12x + 2 \\ = 3x^2 - 4$$

問題8

$$(2x-4y) \times 3 - (x+3y) \times 4 \\ = 3(2x-4y) - 4(x+3y) \\ = 6x - 12y - 4x - 12y \\ = 2x - 24y$$

2年数学 5/8 (金) 分の解答

P15 問9

$$\begin{aligned}
 (1) \quad & \frac{7x-4y}{10} + \frac{x+2y}{5} \\
 = & \frac{7x-4y}{10} + \frac{2(x+2y)}{10} \\
 = & \frac{(7x-4y) + 2(x+2y)}{10} \\
 = & \frac{7x-4y+2x+4y}{10} \\
 = & \frac{9}{10}x \quad "
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \frac{5x-y}{3} + \frac{3x+y}{2} \\
 = & \frac{2(5x-y)}{6} + \frac{3(3x+y)}{6} \\
 = & \frac{2(5x-y) + 3(3x+y)}{6} \\
 = & \frac{10x-2y+9x+3y}{6} \\
 = & \frac{19x+y}{6} \quad "
 \end{aligned}$$

$$\left(\frac{19}{6}x + \frac{1}{6}y \right)$$

$$\begin{aligned}
 (3) \quad & \frac{2a+b}{3} - \frac{a-2b}{6} \\
 = & \frac{2(2a+b)}{6} - \frac{a-2b}{6} \\
 = & \frac{2(2a+b) - (a-2b)}{6} \\
 = & \frac{4a+2b-a+2b}{6} \\
 = & \frac{3a+4b}{6} \quad " \quad \left(\frac{1}{2}a + \frac{2}{3}b \right)
 \end{aligned}$$

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

$$\left(\frac{2}{3}x + 3y \right)$$