

$$1. (1) \frac{5x-3y}{x^3} \quad (2) \frac{49x^2y}{x^3} \quad (3) \frac{ab^3}{5} \quad (4) \frac{\frac{1}{3}x - \frac{2}{5}y}{x^3} \quad \left(\frac{5x-27y}{15} \right)$$

$$2. (1) x=1 \quad y=-1 \quad (2) x=2 \quad y=1$$

$$3. \begin{cases} 3x+5y=2 \\ 5x-2y=24 \end{cases}$$

$$4. a=7 \quad b=2$$

$$5. (1) \frac{4}{3} \text{ 倍} \quad (2) \text{ア} \quad 2 \quad 1 \quad 3$$

$$6. (1) 34$$

$$(2) a + (3a+b) + (3a+3b) + (a+3b) + b$$

$$= 8a + 8b$$

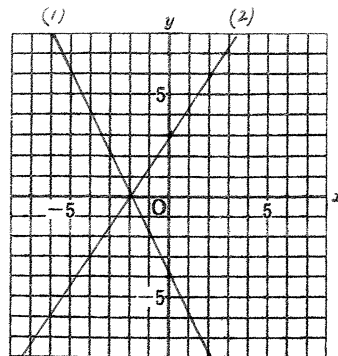
$$= 8(a+b)$$

$$(3) 5 \quad (8)$$

$$7. (1) \text{ア, イ, オ} \quad (2) y=9 \quad (3) -24 \quad (4) a=2$$

$$8. (1) y=2x+1 \quad (2) y=-3x-2 \quad (3) y=-\frac{5}{2}x-7 \quad (4) y=-x+1$$

$$9. (1) (2) \quad (3) (-2, 0)$$



$$10. (1) y=-2x-3 \quad (2) \text{傾き} \frac{1}{3} \text{ 切片 } 1 \quad (3) \left(-\frac{12}{7}, \frac{3}{7}\right)$$

$$11. (1) \text{ア} \quad \frac{x+y}{x^3} \quad \frac{1}{x^3} (100x+20+y) - (100y+20+x)$$

$$\begin{cases} a+b+c=39 \\ 100a+110b+120c=4000 \\ b=3c \end{cases} \quad \begin{cases} a+3c+c=39 \\ 100a+110 \times 3c+120c=4000 \end{cases}$$

$$(3) \text{工, 力} \quad (4) \text{オ, キ} \quad \left(\begin{cases} a+4c=39 \\ 100a+450c=4000 \end{cases} \right)$$

$$12. 74$$

$$13. (1) 3人かけの座席 \quad 23 \text{ 列}, \quad 2人かけの座席 \quad 45 \text{ 列}$$

$$(2) \quad \quad \quad 31 \text{ 列}, \quad \quad \quad 33 \text{ 列}$$