

1. (1) $\frac{2}{x^2}$ (2) $\frac{-28}{x^2}$ (3) $\frac{15}{x^2}$ (4) $\frac{-81}{x^2}$ (5) $\frac{\frac{4}{9}}{x^2}$ (6) $\frac{-20}{x^2}$

2. ⑦ 数 ① 文字 ⑦ 累乗 ① アルファベット

④ $\times$ ④ $\div$ ⑤ 1 ⑦ 係数 ⑦ 分配法則

完答 $\times 2$ 順不同

3. (1) $5n$ (2) $2n+1$ or $2n-1$ (3) (例) $n, n+1$

4. (1) $1000a + 40$ (9) (2) $x + \frac{y}{60}$ (分)

5. (1) $\frac{7}{100}x$ kg (2) πr^2 cm^2

6. (1) 11 (2) ① 3 ② 9

7. (1) $6ab$ (2) $4x^2y$ (3) $-2x + 3y$

8. (1) $2x + 60 = 900$

(2) $a + b \leq 10$

(3) $7x = y - 1$ $\left(\begin{array}{l} 7x + 1 = y \\ y - 7x = 1 \end{array} \right)$

9. (1) $7y$ (2) $3x + 10$ (3) -6 (4) $12y$

(5) $-\frac{5}{2}y$ (6) $\frac{4}{7}x$ (7) $-8a + 4$ (8) $6a + 10$

(-2.5y)

(9) $-2x + 30$ (10) $\frac{a}{6}$ ($\frac{1}{6}a$)

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

$$11. (1) \frac{5x+3}{\times 3} \quad (2) \frac{6a-b+9}{\times 3}$$

$$12. (1) \frac{\text{面積}}{\times 3} \quad (2) \frac{\text{周りの長さ}}{\times 3}$$

$$13. (1) \frac{25}{\times 3} \text{ cm}^2 \quad (2) \frac{241}{\times 3} \text{ cm}^2 \quad (3) \frac{8n+1}{\times 3} \text{ (cm}^2\text{)}$$