

氏名 () 点数 _____

$$\begin{aligned}
 (1) \quad & 9x + 3y = 15 \\
 & 3y = 15 - 9x \quad \left. \begin{array}{l} \text{9xを移項} \\ \text{両辺を3で割る} \end{array} \right\} \\
 & \underline{y = 5 - 3x}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & -\frac{1}{3}ab = c \\
 & ab = -3c \quad \left. \begin{array}{l} \text{両辺を-3倍} \\ \text{両辺をaで割る} \end{array} \right\} \\
 & \underline{b = -\frac{3c}{a}}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & V = \frac{1}{3}\pi r^2 h \\
 & 3V = \pi r^2 h \quad \left. \begin{array}{l} \text{両辺を3倍} \\ \text{項の入れ換え} \end{array} \right\} \\
 & \pi r^2 h = 3V \\
 & \underline{h = \frac{3V}{\pi r^2}} \quad \left. \begin{array}{l} \text{両辺を}\pi r^2\text{で割る} \end{array} \right\}
 \end{aligned}$$

$$\begin{aligned}
 (4) \quad & 3a - 4b = 6 \\
 & -4b = 6 - 3a \quad \left. \begin{array}{l} \text{3aを右辺に移項} \\ \text{両辺を-4で割る} \end{array} \right\} \\
 & \underline{b = -\frac{3}{2} + \frac{3}{4}a}
 \end{aligned}$$

$$\begin{aligned}
 (5) \quad & V = Sh \\
 & Sh = V \quad \left. \begin{array}{l} \text{項の入れ換え} \\ \text{両辺をSで割る} \end{array} \right\} \\
 & \underline{h = \frac{V}{S}}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & z = 4(x - y) \\
 & z = 4x - 4y \quad \left. \begin{array}{l} \text{()をはずす} \\ \text{-4yを左辺に、zを右辺に移項} \end{array} \right\} \\
 & 4y = 4x - z \\
 & \underline{y = x - \frac{z}{4}} \quad \left. \begin{array}{l} \text{両辺を4で割る} \end{array} \right\}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & a = \frac{b - 2c}{5} \\
 & 5a = b - 2c \quad \left. \begin{array}{l} \text{両辺を5倍} \\ \text{-2cを左辺に、5aを右辺に移項} \end{array} \right\} \\
 & 2c = b - 5a \\
 & \underline{c = \frac{b - 5a}{2}} \quad \left. \begin{array}{l} \text{両辺を2で割る} \end{array} \right\}
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & x = \frac{3y - 2z}{5} \\
 & 5x = 3y - 2z \quad \left. \begin{array}{l} \text{両辺を5倍} \\ \text{-2zを左辺に、5xを右辺に移項} \end{array} \right\} \\
 & 2z = 3y - 5x \\
 & \underline{z = \frac{3y - 5x}{2}} \quad \left. \begin{array}{l} \text{両辺を2で割る} \end{array} \right\}
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & ax = bx - c \\
 & ax - bx = -c \quad \left. \begin{array}{l} \text{bxを左辺に移項} \\ \text{左辺をxでくくり出す} \end{array} \right\} \\
 & x(a - b) = -c \\
 & \underline{x = -\frac{c}{a - b}} \quad \left. \begin{array}{l} \text{両辺を}a - b\text{で割る} \end{array} \right\}
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & S = \frac{ah}{a - h} \\
 & S(a - h) = ah \quad \left. \begin{array}{l} \text{両辺を}(a - h)\text{倍} \\ \text{()をはずす} \end{array} \right\} \\
 & aS - hS = ah \\
 & ah + hS = aS \quad \left. \begin{array}{l} \text{-hSを右辺に移項してか} \\ \text{ら、項の入れ換え} \end{array} \right\} \\
 & h(a + S) = aS \quad \left. \begin{array}{l} \text{左辺を}h\text{でくくり出す} \\ \text{両辺を}a + S\text{で割る} \end{array} \right\} \\
 & \underline{h = \frac{aS}{a + S}}
 \end{aligned}$$