

氏名 () 点数 _____

$$\begin{aligned}
 (1) \quad & 4x + 3y = 15 \\
 & 3y = 15 - 4x \quad \left. \begin{array}{l} \text{4xを右辺に移項} \\ \text{両辺を3で割る} \end{array} \right\} \\
 & y = 5 - \frac{4}{3}x \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (2) \quad & \frac{1}{3}xy = z \\
 & xy = 3z \quad \left. \begin{array}{l} \text{両辺を3倍} \\ \text{両辺をxで割る} \end{array} \right\} \\
 & y = \frac{3z}{x} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (3) \quad & m = \frac{a-b+c}{3} \\
 & 3m = a-b+c \quad \left. \begin{array}{l} \text{両辺を3倍} \\ \text{項の入れ換え} \end{array} \right\} \\
 & a-b+c = 3m \\
 & a = 3m + b - c \quad \left. \begin{array}{l} \text{項の入れ換え} \\ \text{-b, cを右辺に移項} \end{array} \right\} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

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

$$\begin{aligned}
 (5) \quad & s = a(b+c) \\
 & a(b+c) = s \quad \left. \begin{array}{l} \text{項の入れ換え} \\ \text{()をはずす} \end{array} \right\} \\
 & ab + ac = s \\
 & ab = s - ac \quad \left. \begin{array}{l} \text{acを右辺に移項} \\ \text{両辺をaで割る} \end{array} \right\} \\
 & b = \frac{s-ac}{a} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (6) \quad & z = \frac{4}{3}(x-y) \\
 & 3z = 4(x-y) \quad \left. \begin{array}{l} \text{両辺を3倍} \\ \text{()をはずす} \end{array} \right\} \\
 & 3z = 4x - 4y \\
 & 4y = 4x - 3z \quad \left. \begin{array}{l} \text{-4yを左辺に, 3zを右辺に移項} \\ \text{両辺を4で割る} \end{array} \right\} \\
 & y = x - \frac{3z}{4} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (7) \quad & a = \frac{b-2c}{5} \\
 & 5a = b-2c \quad \left. \begin{array}{l} \text{両辺を5倍} \\ \text{項の入れ換え} \end{array} \right\} \\
 & b-2c = 5a \\
 & b = 5a + 2c \quad \left. \begin{array}{l} \text{項の入れ換え} \\ \text{-2cを右辺に移項} \end{array} \right\} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (8) \quad & x = \frac{3y-2z}{5} \\
 & 5x = 3y-2z \quad \left. \begin{array}{l} \text{両辺を5倍} \\ \text{項の入れ換え} \end{array} \right\} \\
 & 3y-2z = 5x \\
 & 3y = 5x + 2z \quad \left. \begin{array}{l} \text{-2zを右辺に移項} \\ \text{両辺を3で割る} \end{array} \right\} \\
 & y = \frac{5x+2z}{3} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (9) \quad & ax = ay - z \\
 & ax - ay = -z \quad \left. \begin{array}{l} \text{ayを左辺に移項} \\ \text{左辺をaでくり出す} \end{array} \right\} \\
 & a(x-y) = -z \\
 & a = -\frac{z}{x-y} \quad \left. \begin{array}{l} \text{両辺をx-yで割る} \end{array} \right\} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$

$$\begin{aligned}
 (10) \quad & S = \frac{h}{1-h} \\
 & S(1-h) = h \quad \left. \begin{array}{l} \text{両辺を(1-h)倍} \\ \text{()をはずす} \end{array} \right\} \\
 & S - hS = h \\
 & S + hS = S \quad \left. \begin{array}{l} \text{-hSを右辺に移項してから,} \\ \text{項の入れ換え} \end{array} \right\} \\
 & h(1+S) = S \quad \left. \begin{array}{l} \text{左辺をhでくり出す} \\ \text{両辺を1+Sで割る} \end{array} \right\} \\
 & h = \frac{S}{1+S} \\
 & \underline{\hspace{2cm}}
 \end{aligned}$$