

$$\textcircled{a} \begin{array}{r} P = 2w + 2l \\ -2l \quad -2l \\ \hline P - 2l = 2w \\ \frac{P - 2l}{2} = \frac{2w}{2} \end{array}$$

$$w = \frac{P - 2l}{2}$$

$$\begin{array}{r} A = lw \\ \frac{A}{w} \quad \frac{A}{w} \\ \hline P = \frac{A}{w} \end{array}$$

$$\textcircled{b} \begin{array}{r} P = 4s \\ \frac{P}{4} \quad \frac{P}{4} \\ \hline \frac{P}{4} = s \end{array}$$

$$\begin{array}{r} A = s^2 \\ \sqrt{A} \quad \sqrt{s^2} \\ \hline \sqrt{A} = s \end{array}$$

$$\textcircled{c} \begin{array}{r} P = a + b + c + d \\ -a - b \quad -a - b - d \\ \hline P - a - b - d = c \end{array}$$

$$\begin{array}{r} A = \frac{1}{2}h(b_1 + b_2) \\ \frac{1}{2}h \quad \frac{1}{2}h \\ \hline \frac{2A}{h} = b_1 + b_2 \\ \quad \quad -b_2 \\ \hline \frac{2A}{h} - b_2 = b_1 \end{array}$$

$$\textcircled{d} \begin{array}{r} P = a + b + c \\ -b - c \quad -b - c \\ \hline P - b - c = a \end{array}$$

$$\begin{array}{r} A = \frac{1}{2}(bh) \\ \frac{1}{2}b \quad \frac{1}{2}b \\ \hline \frac{2A}{b} = h \end{array}$$

$$\textcircled{e} \begin{array}{r} C = 2\pi r \\ 2\pi \quad 2\pi \\ \hline r = \frac{C}{2\pi} \end{array}$$

$$\begin{array}{r} A = \pi r^2 \\ \frac{A}{\pi} \quad \frac{A}{\pi} \\ \hline \sqrt{\frac{A}{\pi}} = r \end{array}$$

$$\textcircled{f} \begin{array}{r} 2lw + 2wh + 2lh = S \\ w(2l + 2h) + 2lh = S \\ -2lh \quad -2lh \\ \hline w(2l + 2h) = \frac{S - 2lh}{2l + 2h} \end{array}$$

$$\begin{array}{r} V = lwh \\ \frac{V}{lh} \quad \frac{V}{lh} \\ \hline w = \frac{V}{lh} \end{array}$$

$$w = \frac{S - 2lh}{2l + 2h}$$

$$\textcircled{g} \begin{array}{r} SA = 2\pi r^2 + 2\pi rh \\ -2\pi r^2 \quad -2\pi r^2 \\ \hline SA - 2\pi r^2 = 2\pi rh \\ \frac{SA - 2\pi r^2}{2\pi r} = \frac{2\pi rh}{2\pi r} \\ \frac{SA - 2\pi r^2}{2\pi r} = h \end{array}$$

$$\begin{array}{r} V = \pi r^2 h \\ \frac{V}{\pi r^2} \quad \frac{V}{\pi r^2} \\ \hline h = \frac{V}{\pi r^2} \end{array}$$

$$\textcircled{h} \begin{array}{r} SA = \pi r^2 + \pi rs \\ \pi r^2 \quad -\pi r^2 \\ \hline SA - \pi r^2 = \pi rs \\ \frac{SA - \pi r^2}{\pi r} = \frac{\pi rs}{\pi r} \end{array}$$

$$\begin{array}{r} V = \frac{1}{3}\pi r^2 h \\ \frac{1}{3}\pi r^2 \quad \frac{1}{3}\pi r^2 \\ \hline h = \frac{3V}{\pi r^2} \end{array}$$

$$s = \frac{SA - \pi r^2}{\pi r}$$

$$h = \frac{3V}{\pi r^2}$$