

4.1

$$I = \frac{C \cdot t \cdot n}{100}$$

$\cdot 100$

$$100I = C \cdot t \cdot n$$

$\div (t \cdot n)$

$\div (C \cdot t)$

$$\frac{100I}{t \cdot n} = C$$

$$\frac{100I}{C \cdot t} = n$$

$\div (C \cdot n)$

$$\frac{100I}{C \cdot n} = t$$

4.1

$$I = \frac{C \cdot t \cdot n}{100}$$

↓ · 100

$$100 I = C \cdot t \cdot n$$

$$100 I = C \cdot t \cdot n$$

↓ ÷ (t · n)

$$\frac{100 I}{t \cdot n} = C$$

$$100 I = C \cdot t \cdot n$$

↓ ÷ (C · t)

$$\frac{100 I}{C \cdot t} = n$$

$$100 I = C \cdot t \cdot n$$

↓ ÷ (C · n)

$$\frac{100 I}{C \cdot n} = t$$

4.2

$$C = 2\pi \cdot R$$

$$\div (2\pi)$$

$$\frac{C}{2\pi} = R$$

4.3

$$A = \frac{1}{2} \cdot b \cdot h$$

$$\cdot 2$$

$$2A = b \cdot h$$

$$\div h$$

$$\div b$$

$$\frac{2A}{b} = h$$

$$\frac{2A}{h} = b$$

4.4

$$R = \frac{V}{I}$$

$$\downarrow \cdot I$$

$$R \cdot I = V$$

$$\downarrow \div R$$

$$I = \frac{V}{R}$$

4.5

$$F = G \cdot \frac{m \cdot M}{d^2}$$

$$\downarrow \cdot d^2$$

$$F d^2 = G \cdot m \cdot M$$

$$Fd^2 = G \cdot m \cdot M$$

$$\div (G \cdot M)$$

$$\boxed{\frac{Fd^2}{G \cdot M} = m}$$

$$Fd^2 = G \cdot m \cdot M$$

$$\div F$$

$$d^2 = \frac{G \cdot m \cdot M}{F}$$

$$d = \sqrt{\frac{G \cdot m \cdot M}{F}}$$

$$\sqrt{\quad}$$

4.8

$$V = \frac{1}{3} \pi r^2 h$$

$$3V = \pi \cdot r^2 \cdot h$$

$\cdot 3$

$$3V = \pi \cdot r^2 \cdot h$$

$\div (\pi \cdot r^2)$

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

$$3V = \pi \cdot r^2 \cdot h$$

$\div (\pi \cdot h)$

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

$\Rightarrow$
 $\sqrt{}$

$$r = \sqrt{\frac{3V}{\pi h}}$$