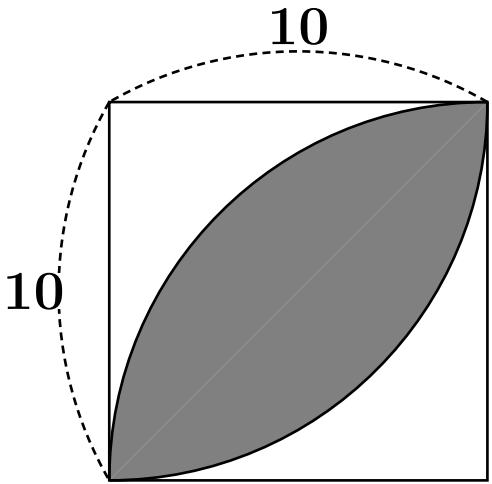
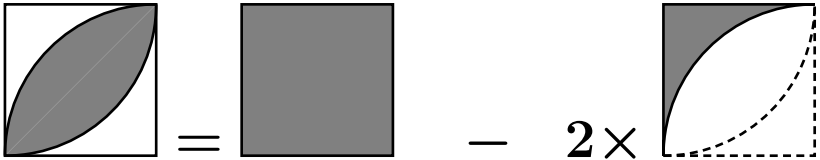
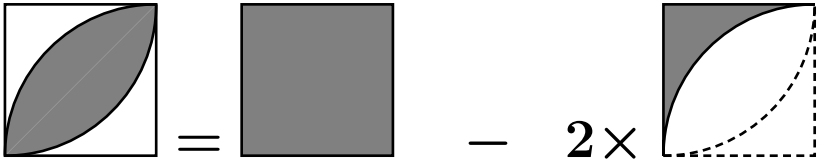
面積を求めなさい



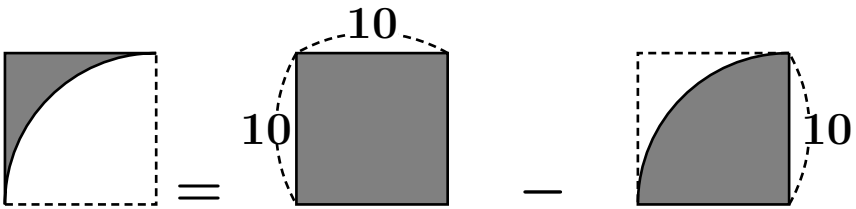
面積を求めなさい



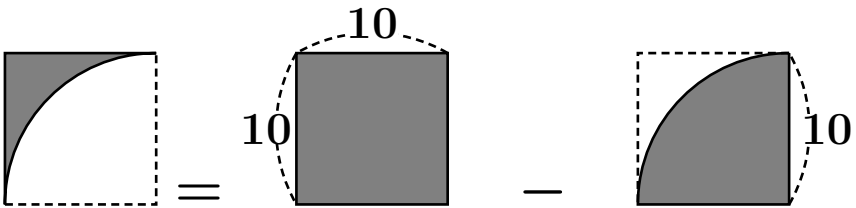
面積を求めなさい



面積を求めなさい

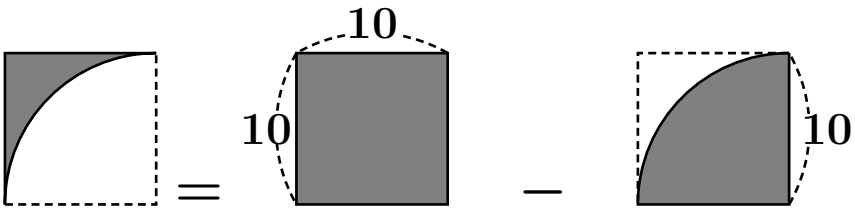


面積を求めなさい



$$= 100 - \frac{100\pi}{4}$$

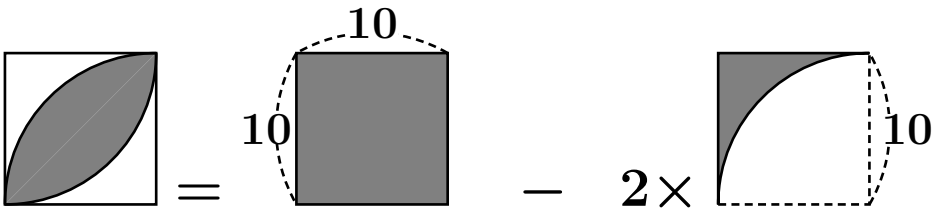
面積を求めなさい



$$= 100 - \frac{100\pi}{4}$$

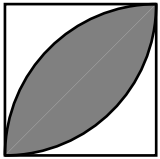
$$= 100 - 25\pi$$

面積を求めなさい

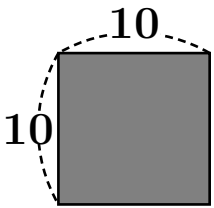


$$= \quad - \quad 2\times$$

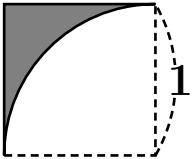
面積を求めなさい



$=$

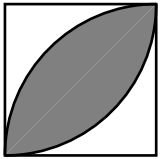


$-\quad 2\times$

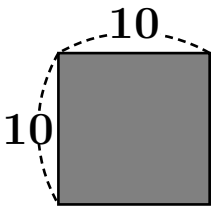


$$= \quad 100 \quad - \quad 2 \times (100 - 25\pi)$$

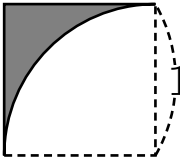
面積を求めなさい



$=$



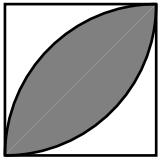
$-\quad 2\times$



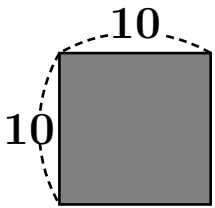
$$= \quad 100 \quad - \quad 2 \times (100 - 25\pi)$$

$$= \quad 100 \quad - 200 + 50\pi$$

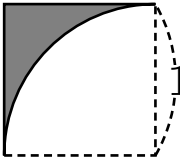
面積を求めなさい



$=$

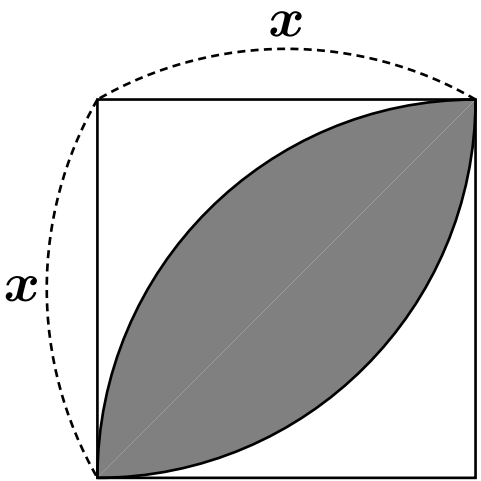


$-\quad 2\times$



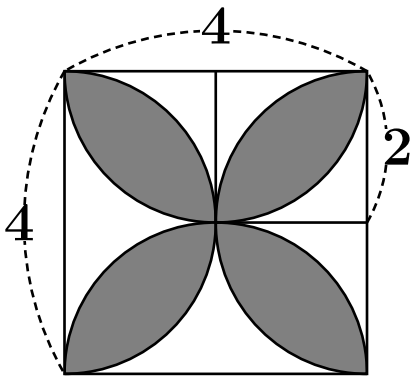
$$
\begin{aligned}
&= \quad 100 \quad - \ 2 \times (100 - 25\pi) \\
&= \quad 100 \quad - 200 + 50\pi \\
&= \quad 50\pi - 100
\end{aligned}
$$

一般化すると下記のようになる

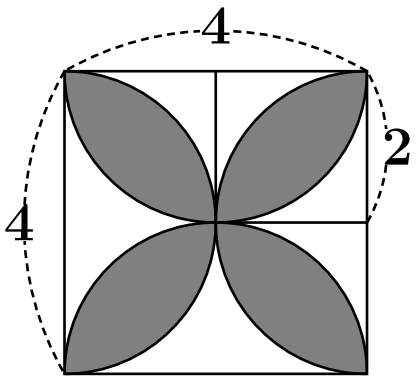


$$\frac{x^2}{2}\pi - x^2$$

応用問題

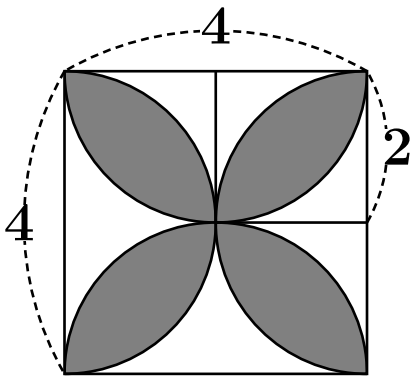


応用問題



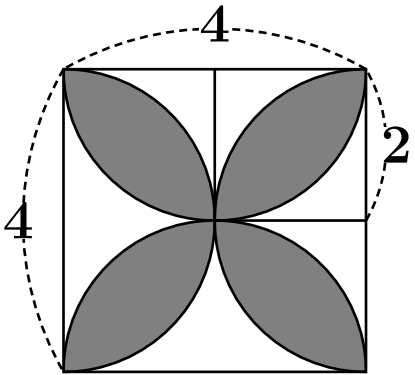
$$4 \times \left(\frac{2^2}{2}\pi - 2^2 \right)$$

応用問題



$$4 \times \left(\frac{2^2}{2}\pi - 2^2 \right)$$
$$= 4 \times (2\pi - 4)$$

応用問題



$$
\begin{aligned}
& 4 \times \left(\frac{2^2}{2} \pi - 2^2 \right) \\
= \ & 4 \times (2\pi - 4) \\
= \ & 8\pi - 16
\end{aligned}
$$