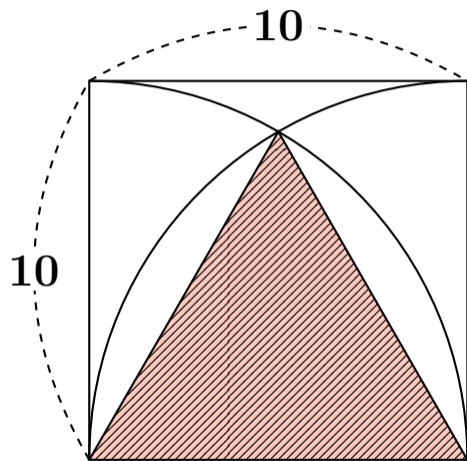
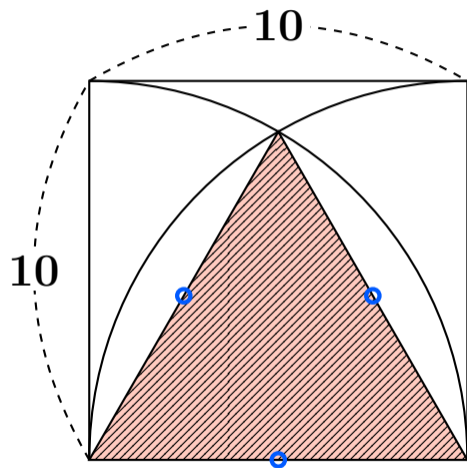


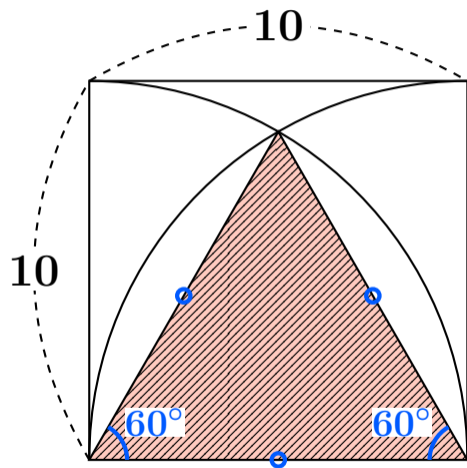
面積を求めなさい



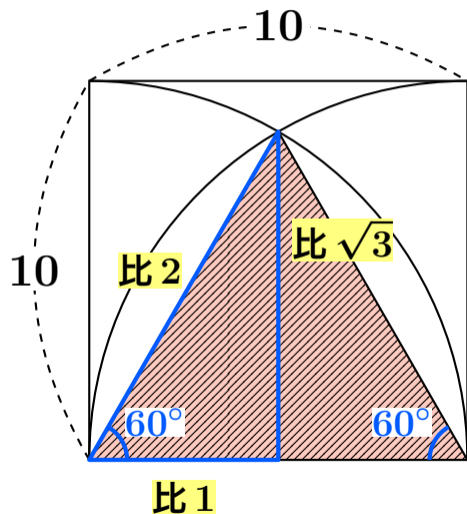
面積を求めなさい



面積を求めなさい

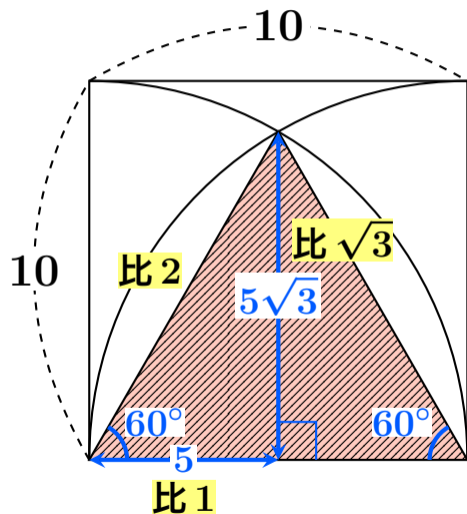


面積を求めなさい

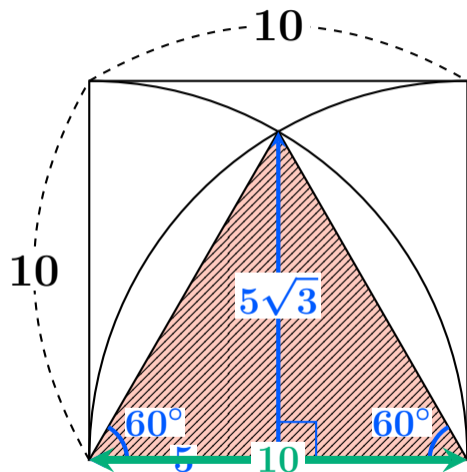


$1:2:\sqrt{3}$ の三角形になる。

面積を求めなさい

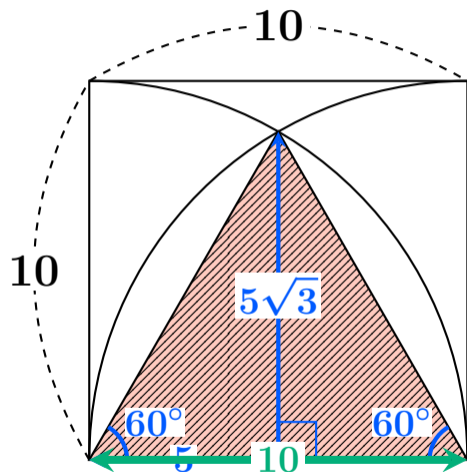


面積を求めなさい



底辺 \times 高さ $\div 2$ より

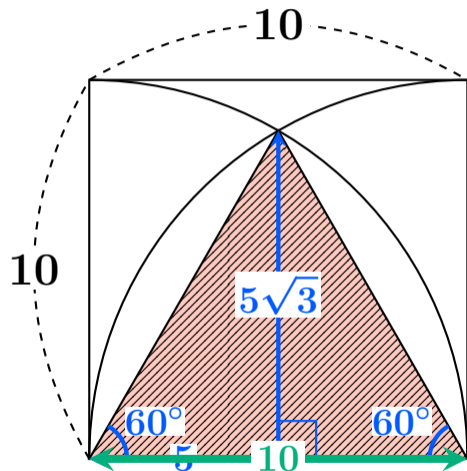
面積を求めなさい



底辺 × 高さ ÷ 2 より
求める面積は

$$10 \times 5\sqrt{3} \div 2$$

面積を求めなさい

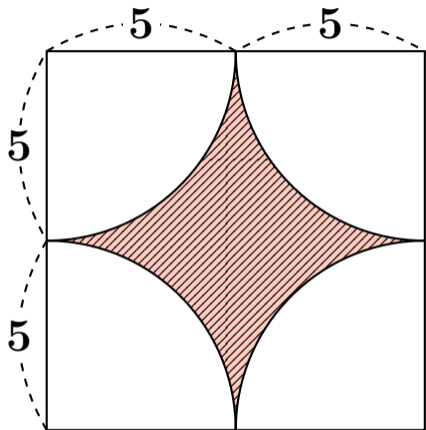


底辺 × 高さ ÷ 2 より
求める面積は

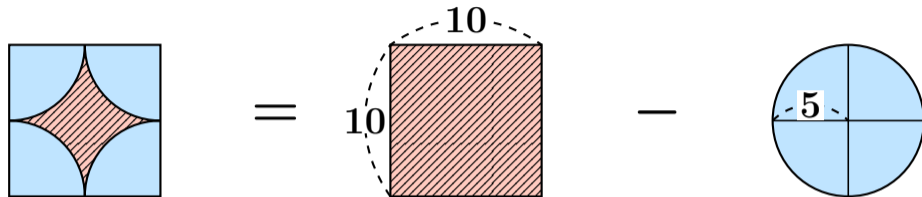
$$10 \times 5\sqrt{3} \div 2$$

$$= 25\sqrt{3} \quad \boxed{\text{答}}$$

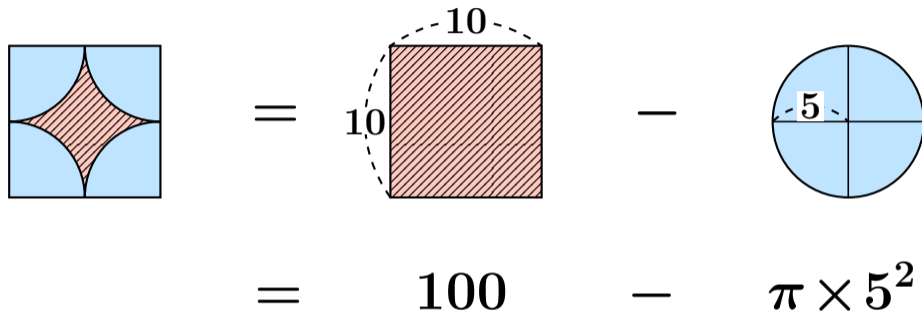
面積を求めなさい



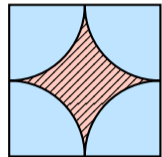
面積を求めなさい



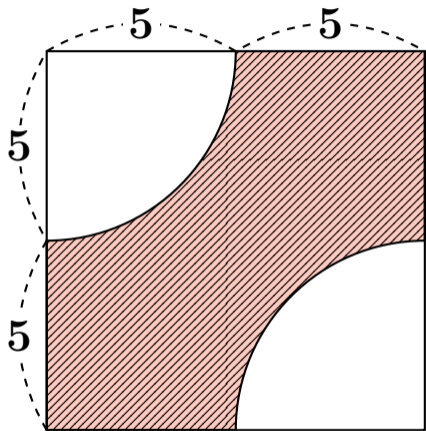
面積を求めなさい



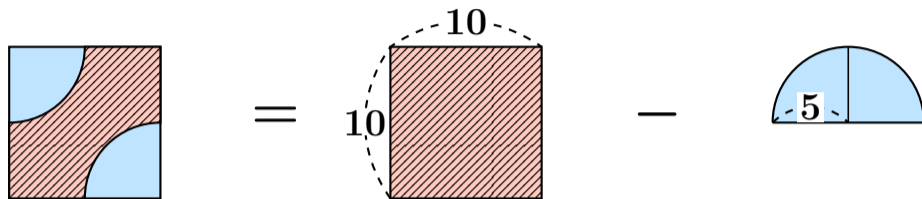
面積を求めなさい


$$\begin{aligned} &= \text{面積} \text{の正方形} - \text{面積} \text{の円} \\ &= 100 - \pi \times 5^2 \\ &= 100 - 25\pi \quad \boxed{\text{答}} \end{aligned}$$

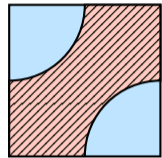
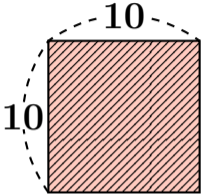
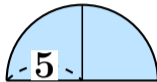
面積を求めなさい



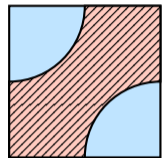
面積を求めなさい



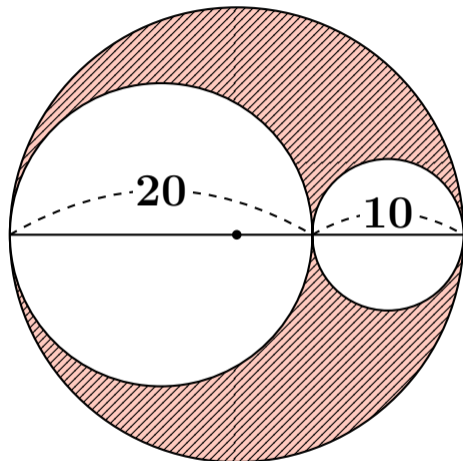
面積を求めなさい


$$=$$

$$=$$
 100
$$-$$

$$-$$
$$\frac{\pi \times 5^2}{2}$$

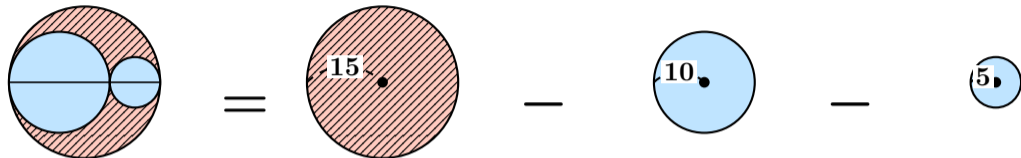
面積を求めなさい


$$\begin{aligned} &= \text{10} \times \text{10} - \frac{\pi \times 5^2}{2} \\ &= 100 - \frac{25\pi}{2} \quad \boxed{\text{答}} \end{aligned}$$

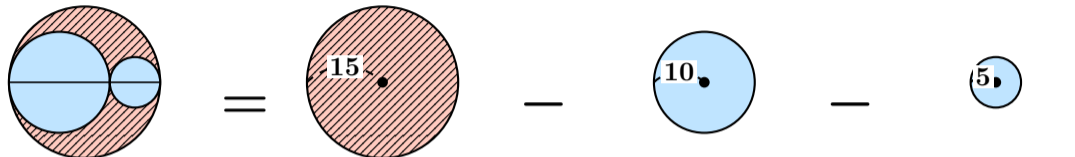
面積を求めなさい



面積を求めなさい



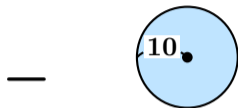
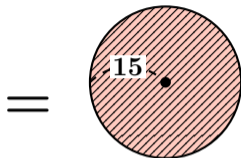
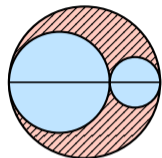
面積を求めなさい



The diagram illustrates the calculation of the area of a large circle with two smaller circles removed. The large circle has a radius of 15. The two smaller circles have radii of 10 and 5. The area is calculated as the area of the large circle minus the areas of the two smaller circles.

$$= \pi \times 15^2 - \pi \times 10^2 - \pi \times 5^2$$

面積を求めなさい



$$= \pi \times 15^2$$

$$- \pi \times 10^2$$

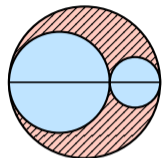
$$- \pi \times 5^2$$

$$= 225\pi$$

$$- 100\pi$$

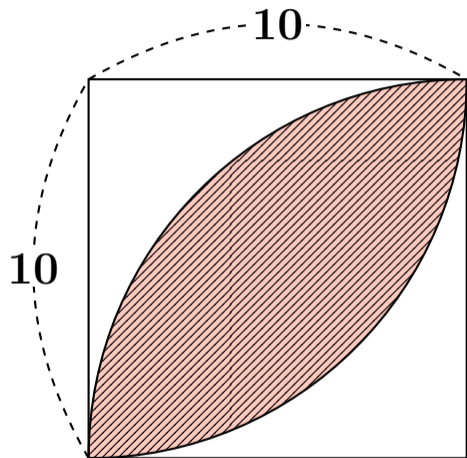
$$- 25\pi$$

面積を求めなさい

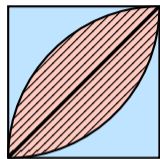


$$\begin{aligned} &= \text{半径}15\text{の円の面積} - \text{半径}10\text{の円の面積} - \text{半径}5\text{の円の面積} \\ &= \pi \times 15^2 - \pi \times 10^2 - \pi \times 5^2 \\ &= 225\pi - 100\pi - 25\pi \\ &= 100\pi \quad \boxed{\text{答}} \end{aligned}$$

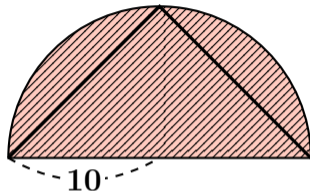
面積を求めなさい



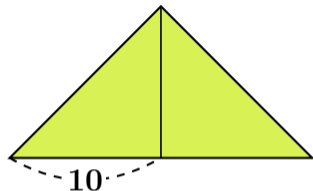
面積を求めなさい



=



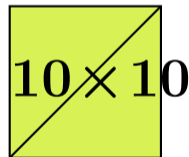
-



=

$$\frac{\pi \times 10^2}{2}$$

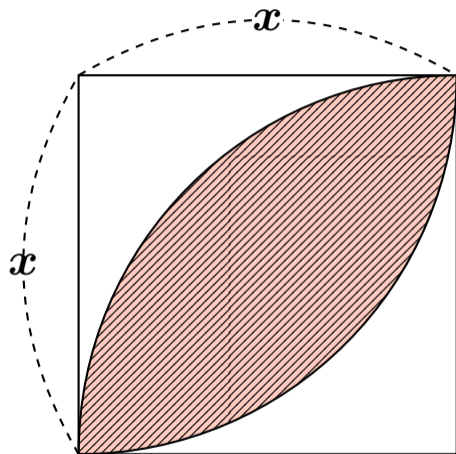
-



=

$$50\pi - 100 \quad \boxed{\text{答}}$$

一般化すると下記のようになる

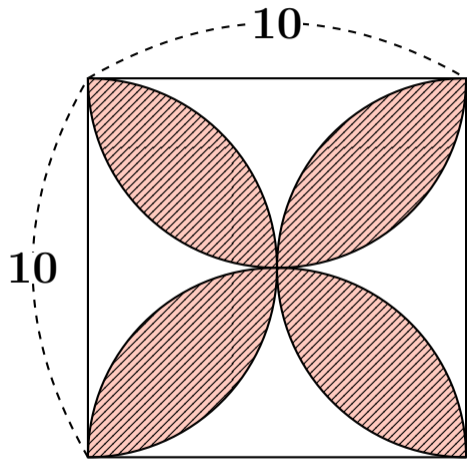


$$\left(\frac{\pi}{2} - 1\right)x^2$$

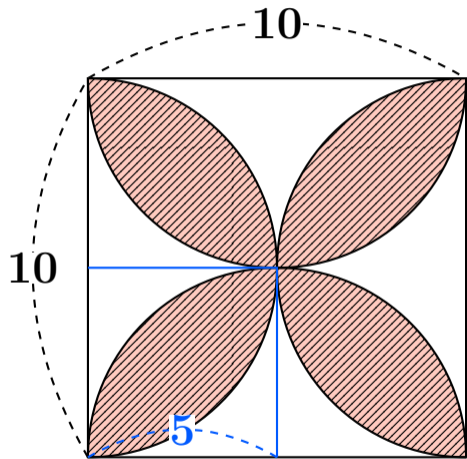
$$\begin{aligned}\frac{\pi}{2} - 1 &= \frac{3.14}{2} - 1 \\ &= 1.57 - 1 \\ &= 0.57\end{aligned}$$

なので正方形の約 0.6 倍

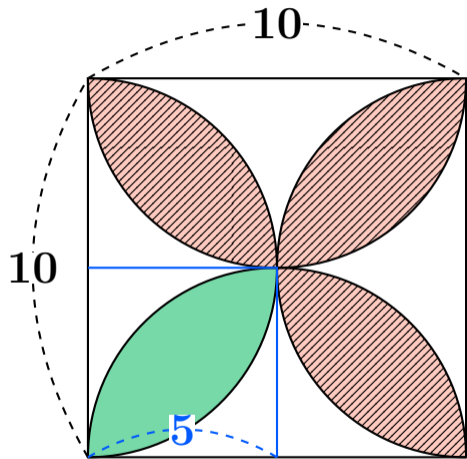
面積を求めなさい



面積を求めなさい

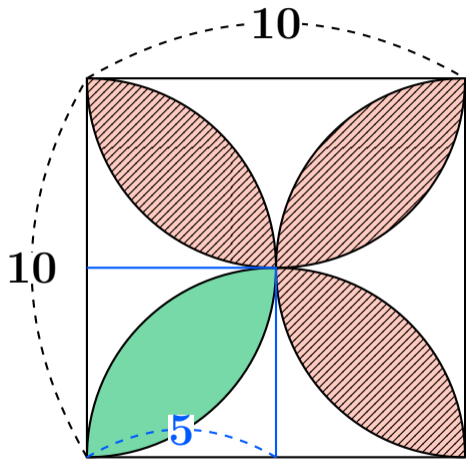


面積を求めなさい



式に当てはめると 1 個分で
 $(\frac{\pi}{2} - 1) 5^2$ だから、

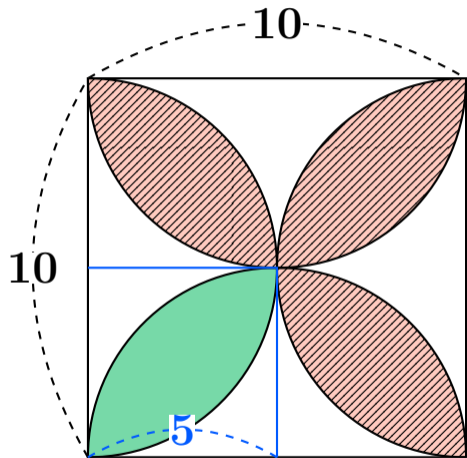
面積を求めなさい



式に当てはめると 1 個分で
 $(\frac{\pi}{2} - 1) 5^2$ だから、求める
面積は

$$4 \times (\frac{\pi}{2} - 1) 5^2$$

面積を求めなさい



式に当てはめると 1 個分で
 $(\frac{\pi}{2} - 1) 5^2$ だから、求める
面積は

$$4 \times (\frac{\pi}{2} - 1) 5^2$$

$$= 50\pi - 100 \quad \boxed{\text{答}}$$