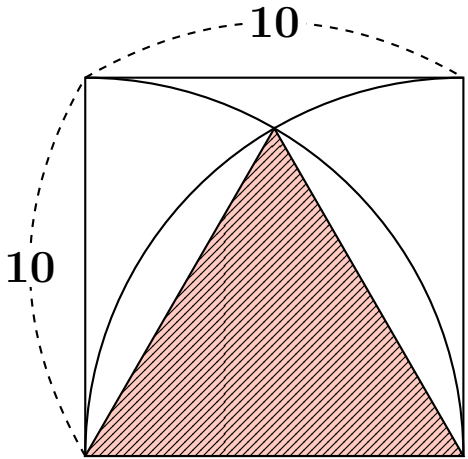
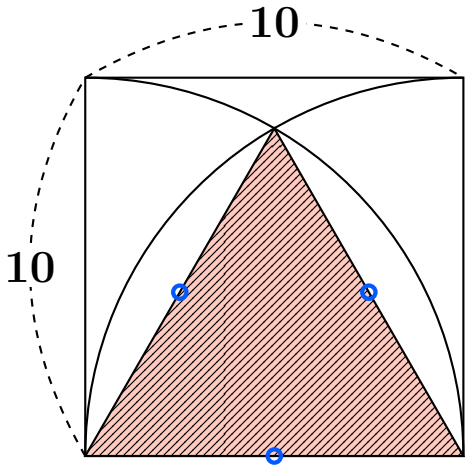
面積を求めなさい



面積を求めなさい



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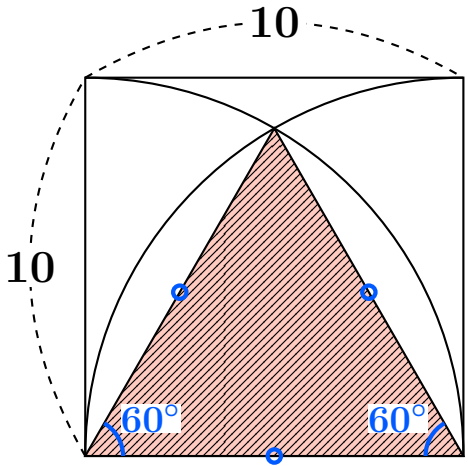
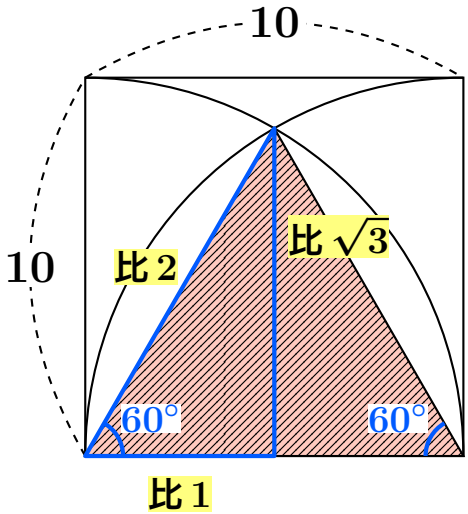
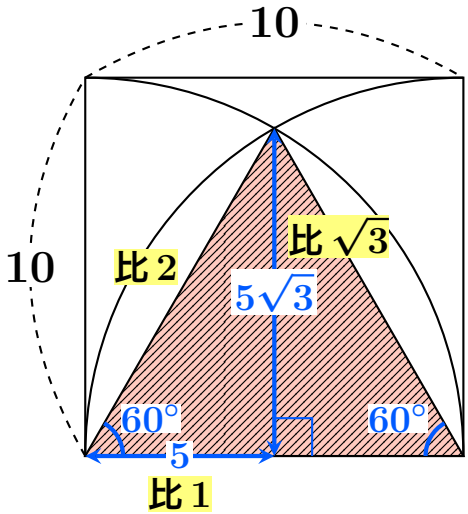


面積を求めなさい

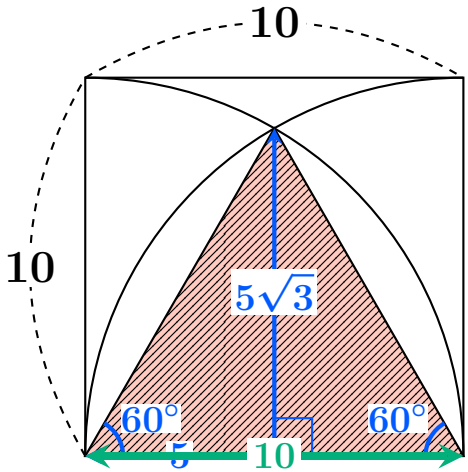


$1:2:\sqrt{3}$ の三角形になる。

面積を求めなさい

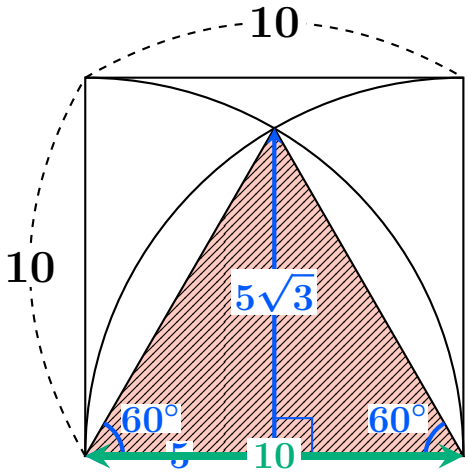


面積を求めなさい



底辺 × 高さ ÷ 2 より

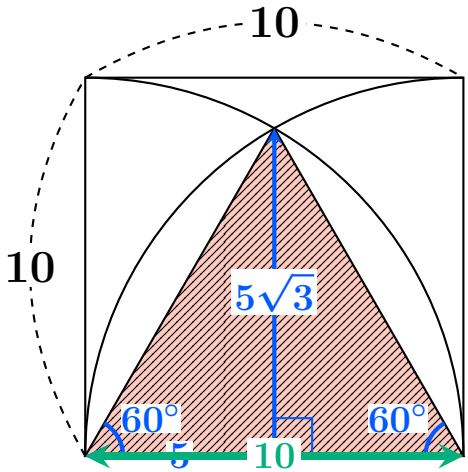
面積を求めなさい



底辺 $\times$ 高さ $\div 2$ より
求める面積は

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

面積を求めなさい

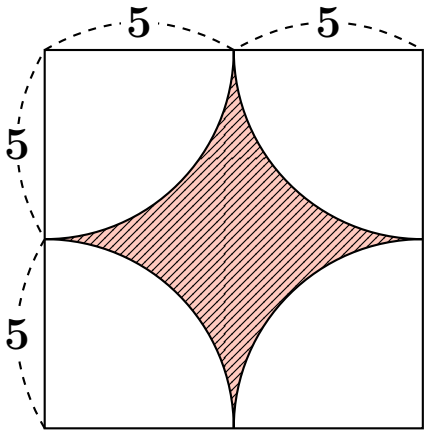


底辺 × 高さ ÷ 2 より
求める面積は

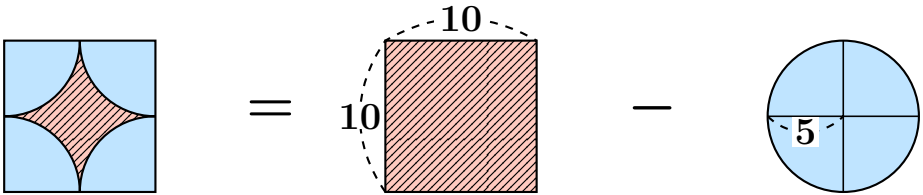
$$10 \times 5\sqrt{3} \div 2$$

$$= 25\sqrt{3}$$ 答

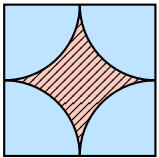
面積を求めなさい



面積を求めなさい



面積を求めなさい



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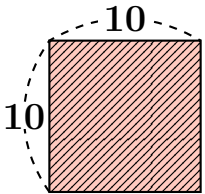

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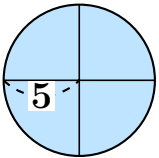
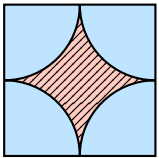


$= \quad 100 \quad - \quad \pi \times 5^2$

面積を求めなさい



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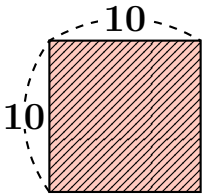

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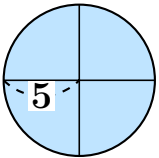
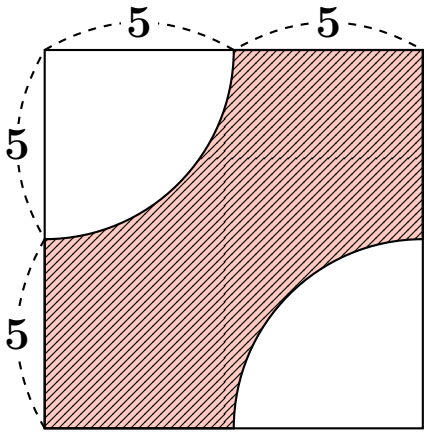


$= \quad 100 \quad - \quad \pi \times 5^2$

$= \quad 100 - 25\pi$ 答

面積を求めなさい



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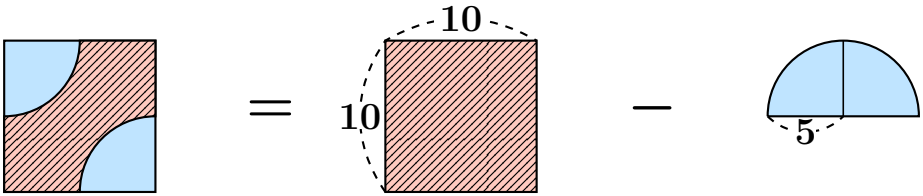
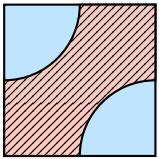


面積を求めなさい



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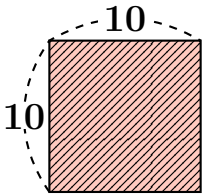

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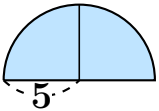
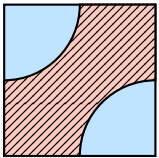


$$= \quad 100 \quad - \quad \frac{\pi \times 5^2}{2}$$

面積を求めなさい



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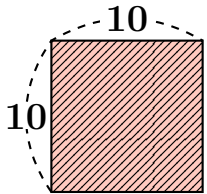

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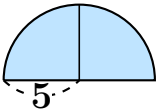
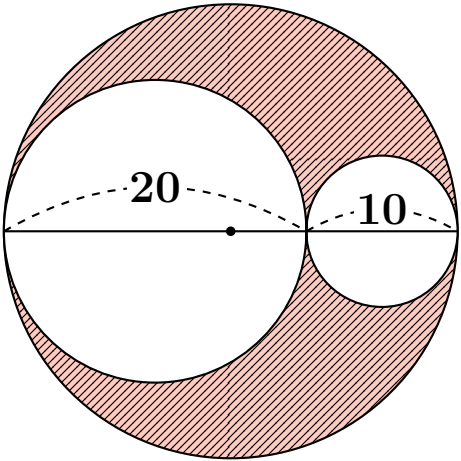


$$= \quad 100 \quad - \quad \frac{\pi \times 5^2}{2}$$

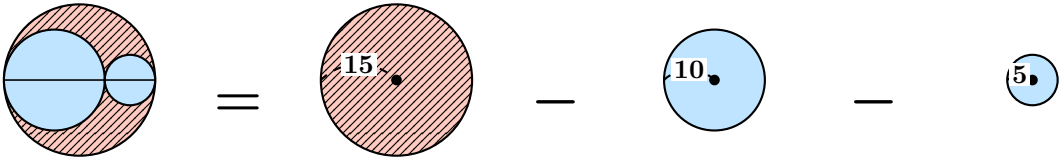
$$= \quad 100 - \frac{25\pi}{2}$$

答

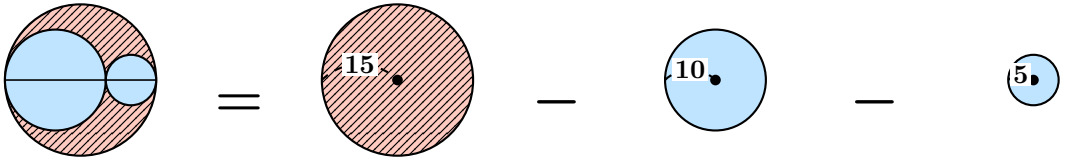
面積を求めなさい



面積を求めなさい

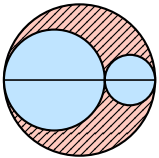


面積を求めなさい



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

面積を求めなさい



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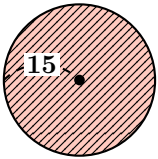

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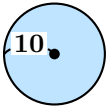

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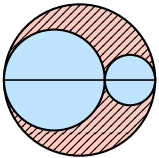
$$= \pi \times 15^2 - \pi \times 10^2 - \pi \times 5^2$$

$$= 225\pi - 100\pi - 25\pi$$

面積を求めなさい



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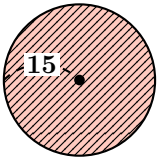

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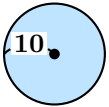


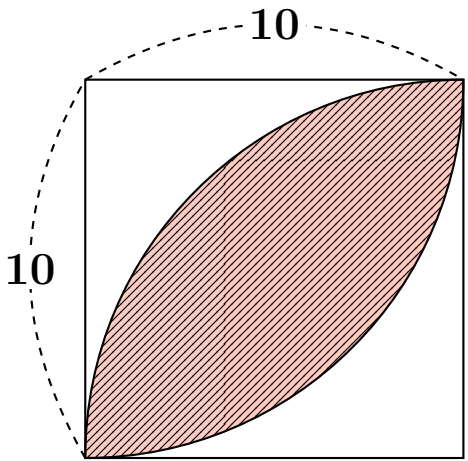
$-$

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

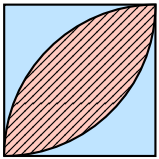
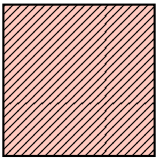
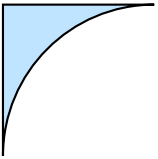
$$= 225\pi - 100\pi - 25\pi$$

$$= 100\pi$$ 答

面積を求めなさい

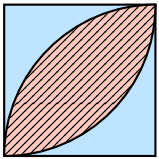


面積を求めなさい

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

面積を求めなさい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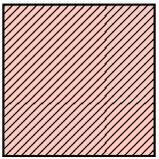
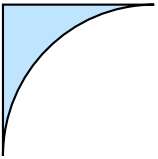
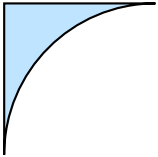

$-\ 2\times$
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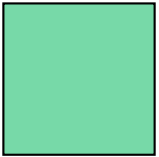
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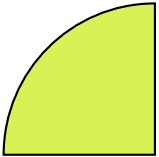
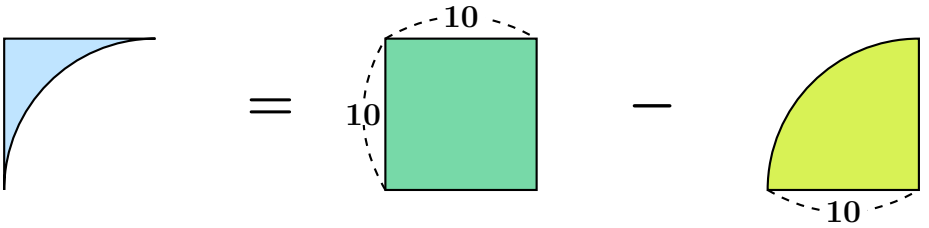
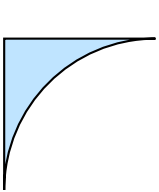


面積を求めなさい



面積を求めなさい



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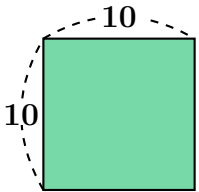

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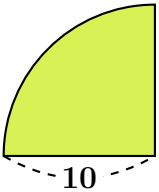
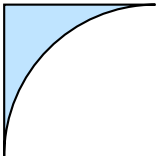


$$= \quad 100 \quad - \quad \frac{\pi \times 10^2}{4}$$

面積を求めなさい



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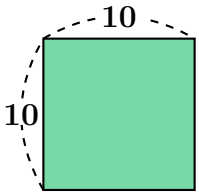

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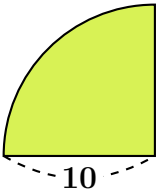
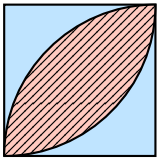


$$= \quad 100 \quad - \quad \frac{\pi \times 10^2}{4}$$

$$= \quad 100 - 25\pi$$

一旦停止

面積を求めなさい



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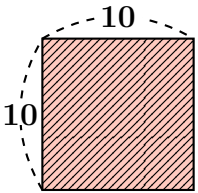
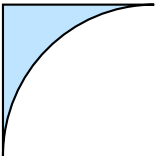
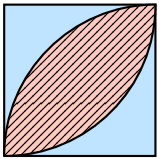


$-\ 2\times$



面積を求めなさい



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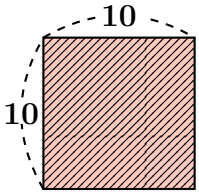

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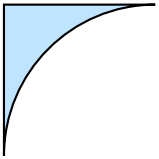
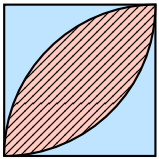
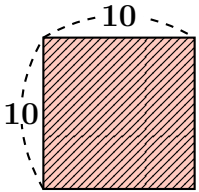


$= \quad 100 \quad -2\,(100-25\pi)$

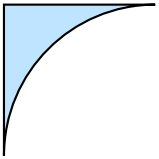
面積を求めなさい



$=$



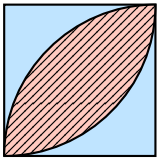
$-\ 2\times$



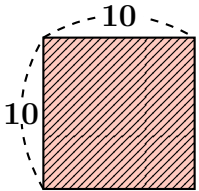
$$= \quad 100 \quad - 2\,(100 - 25\pi)$$

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

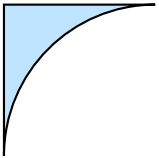
面積を求めなさい



$=$



$-\ 2\times$

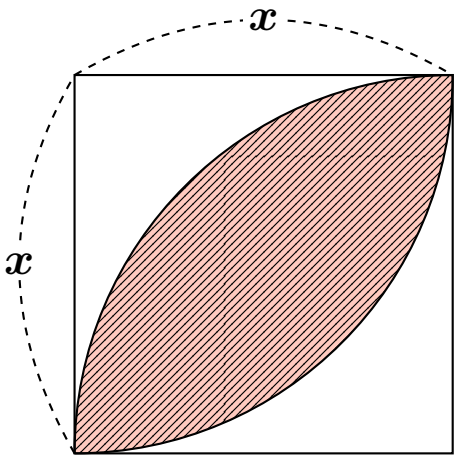


$$= \quad 100 \quad - 2\,(100 - 25\pi)$$

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

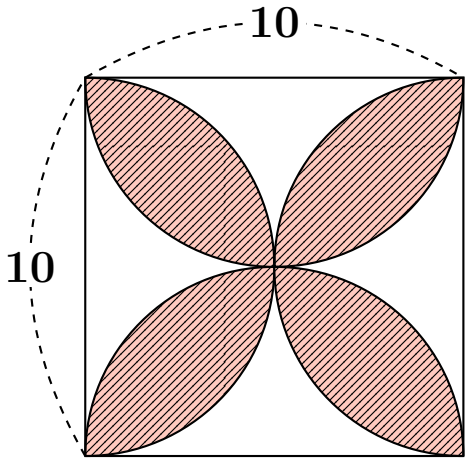
$$= \quad 50\pi - 100 \quad \boxed{答}$$

一般化すると下記のようになる

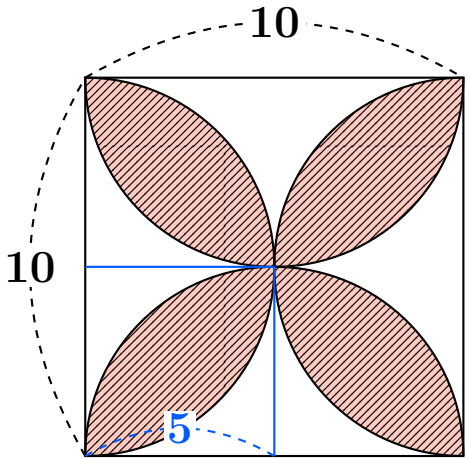


$$\left(\frac{\pi}{2}-1\right)x^2$$

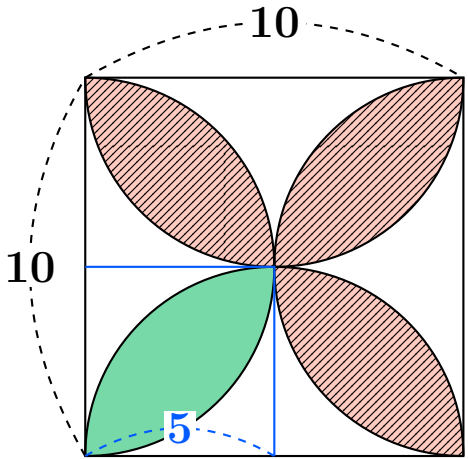
面積を求めなさい



面積を求めなさい



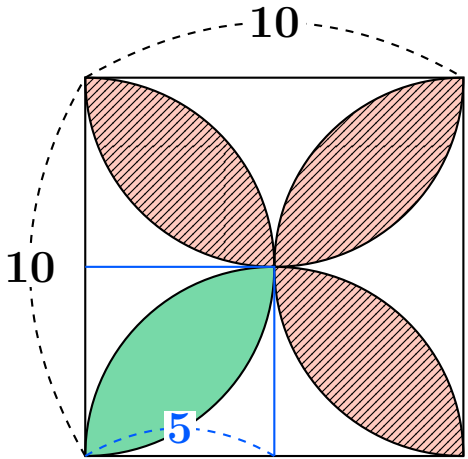
面積を求めなさい



式に当てはめると 1 個分で

$\left(\frac{\pi}{2}-1\right)\times 5^2$ だから、

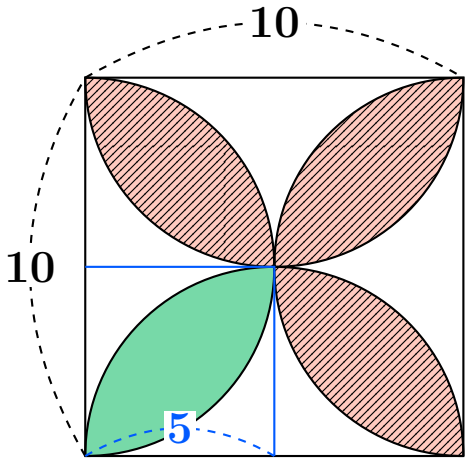
面積を求めなさい



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

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

面積を求めなさい



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

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

$$=50\pi-100$$ 答