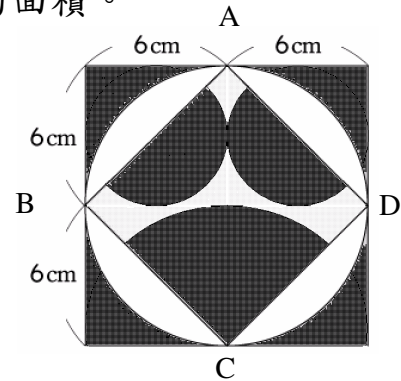


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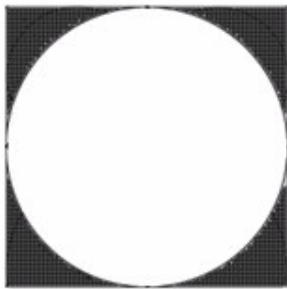
年 班 號 姓名：

大嘴鳥

若 $ABCD$ 為正方形，請計算鋪色部分的面積。



<解答>



$$\begin{aligned} &= \text{正方形面積} - \text{圓形面積} = 12 \times 12 - 6 \times 6 \times \pi \\ &= 144 - 36\pi \end{aligned}$$



$$\begin{aligned} &\because \text{左半圓} = \text{右半圓} \\ &\therefore \text{左半圓} + \text{右半圓} = \text{圓形面積} = 3 \times 3 \times \pi \\ &= 9\pi \end{aligned}$$



$$\begin{aligned} \text{扇型面積} &= \frac{1}{4} \text{圓面積} = \frac{1}{4} \times 6 \times 6 \times \pi \\ &= 9\pi \end{aligned}$$

$$\therefore \text{鋪色面積} = (144 - 36\pi) + (9\pi) + (9\pi) = 144 - 18\pi$$