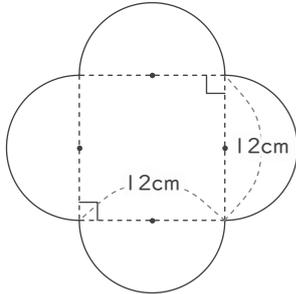


# 円を使った図形の面積

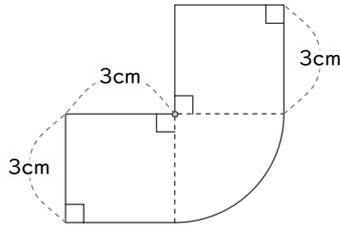
\_\_\_\_年 \_\_\_\_組 名前 \_\_\_\_\_

■ 半円やおうぎ型、正方形を組み合わせてできている次の図形の面積を答えましょう。

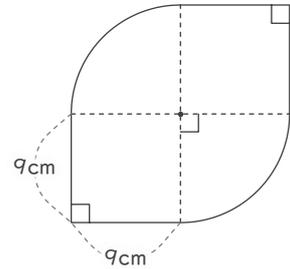
①



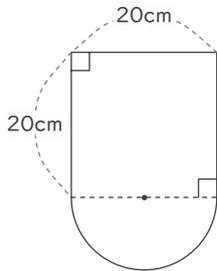
②



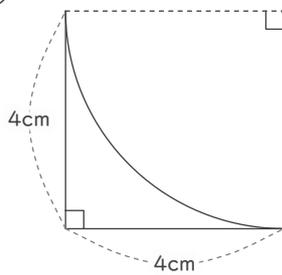
③



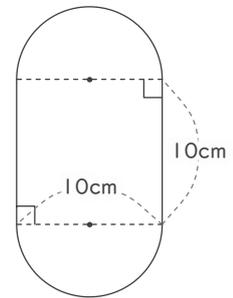
④



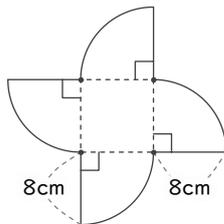
⑤



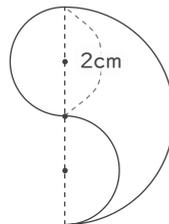
⑥



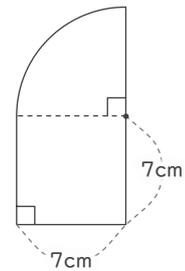
⑦



⑧



⑨



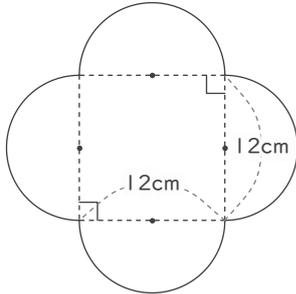
# 円を使った図形の面積

年 組 名前

19

■ 半円やおうぎ型、正方形を組み合わせてできている次の図形の面積を答えましょう。

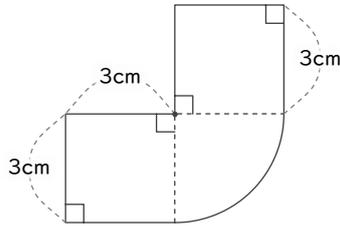
①



$$\begin{aligned} 6 \times 6 \times 3.14 \times 2 &= 226.08 \\ 12 \times 12 &= 144 \\ 226.08 + 144 &= 370.08 \end{aligned}$$

$$370.08 \text{cm}^2$$

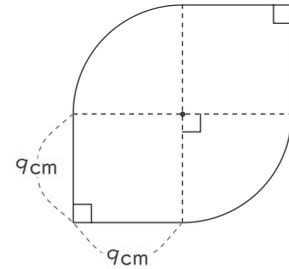
②



$$\begin{aligned} 3 \times 3 \times 3.14 \div 4 &= 7.065 \\ 3 \times 3 \times 2 &= 18 \\ 7.065 + 18 &= 25.065 \end{aligned}$$

$$25.065 \text{cm}^2$$

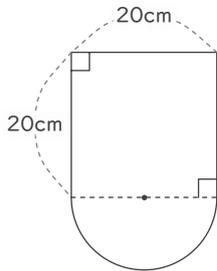
③



$$\begin{aligned} 9 \times 9 \times 3.14 \div 2 &= 127.17 \\ 9 \times 9 \times 2 &= 162 \\ 127.17 + 162 &= 289.17 \end{aligned}$$

$$289.17 \text{cm}^2$$

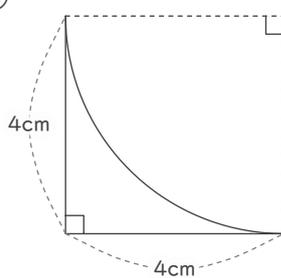
④



$$\begin{aligned} 10 \times 10 \times 3.14 \div 2 &= 157 \\ 20 \times 20 &= 400 \\ 157 + 400 &= 557 \end{aligned}$$

$$557 \text{cm}^2$$

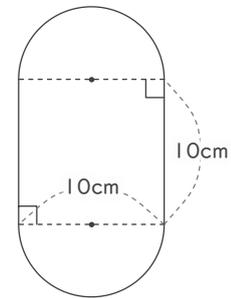
⑤



$$\begin{aligned} 4 \times 4 &= 16 \\ 4 \times 4 \times 3.14 \div 4 &= 12.56 \\ 16 - 12.56 &= 3.44 \end{aligned}$$

$$3.44 \text{cm}^2$$

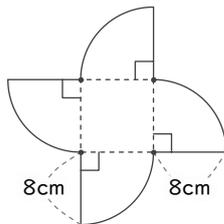
⑥



$$\begin{aligned} 5 \times 5 \times 3.14 &= 78.5 \\ 10 \times 10 &= 100 \\ 78.5 + 100 &= 178.5 \end{aligned}$$

$$178.5 \text{cm}^2$$

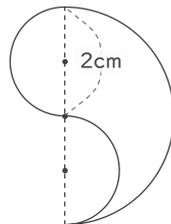
⑦



$$\begin{aligned} 8 \times 8 \times 3.14 &= 200.96 \\ 8 \times 8 &= 64 \\ 200.96 + 64 &= 264.96 \end{aligned}$$

$$264.96 \text{cm}^2$$

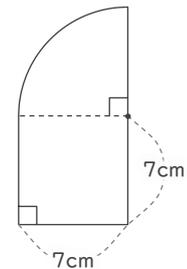
⑧



$$2 \times 2 \times 3.14 \div 2 = 6.28$$

$$6.28 \text{cm}^2$$

⑨



$$\begin{aligned} 7 \times 7 \times 3.14 \div 4 &= 38.465 \\ 7 \times 7 &= 49 \\ 38.465 + 49 &= 87.465 \end{aligned}$$

$$87.465 \text{cm}^2$$