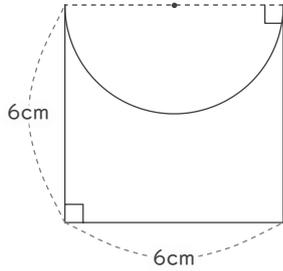


円を使った図形の面積

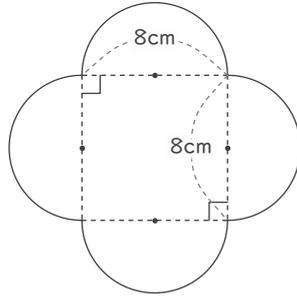
____年 ____組 名前 _____

■ 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。

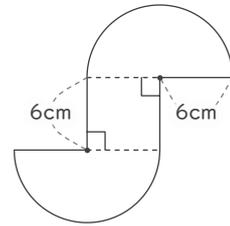
①



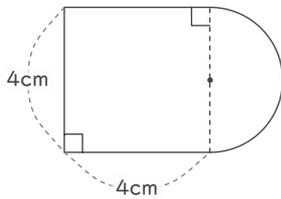
②



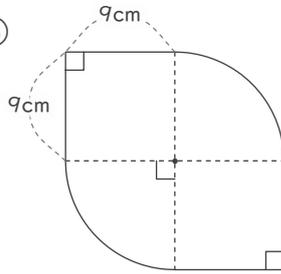
③



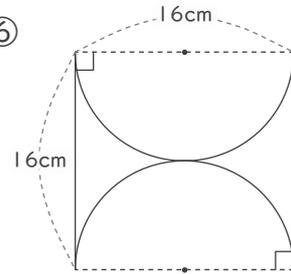
④



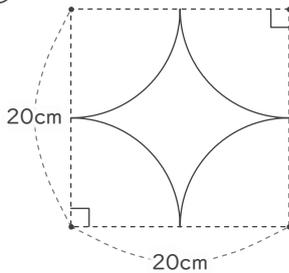
⑤



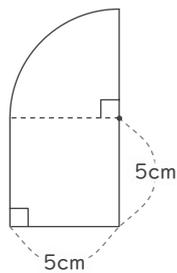
⑥



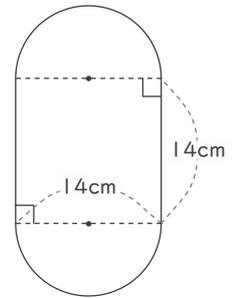
⑦



⑧



⑨



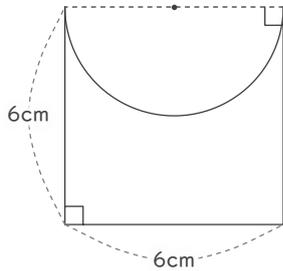
円を使った図形の面積

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



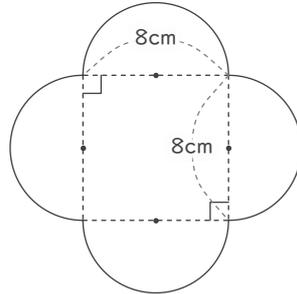
$$6 \times 6 = 36$$

$$3 \times 3 \times 3.14 \div 2 = 14.13$$

$$36 - 14.13 = 21.87$$

$$21.87 \text{cm}^2$$

②



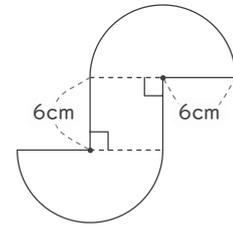
$$4 \times 4 \times 3.14 \times 2 = 100.48$$

$$8 \times 8 = 64$$

$$100.48 + 64 = 164.48$$

$$164.48 \text{cm}^2$$

③



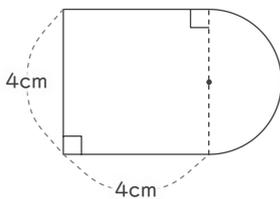
$$6 \times 6 \times 3.14 = 113.04$$

$$6 \times 6 = 36$$

$$113.04 + 36 = 149.04$$

$$149.04 \text{cm}^2$$

④



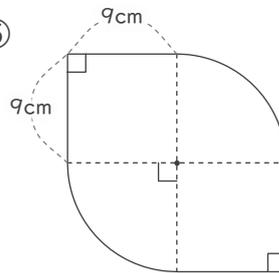
$$2 \times 2 \times 3.14 \div 2 = 6.28$$

$$4 \times 4 = 16$$

$$6.28 + 16 = 22.28$$

$$22.28 \text{cm}^2$$

⑤



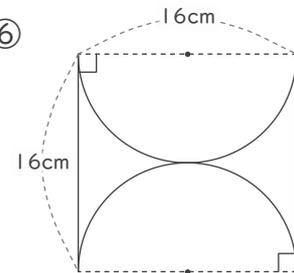
$$9 \times 9 \times 3.14 \div 2 = 127.17$$

$$9 \times 9 \times 2 = 162$$

$$127.17 + 162 = 289.17$$

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

⑥



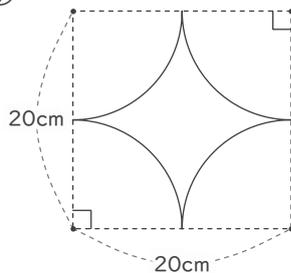
$$16 \times 16 = 256$$

$$8 \times 8 \times 3.14 = 200.96$$

$$256 - 200.96 = 55.04$$

$$55.04 \text{cm}^2$$

⑦



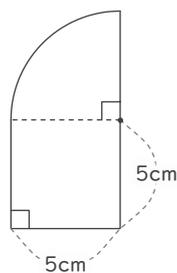
$$20 \times 20 = 400$$

$$10 \times 10 \times 3.14 = 314$$

$$400 - 314 = 86$$

$$86 \text{cm}^2$$

⑧



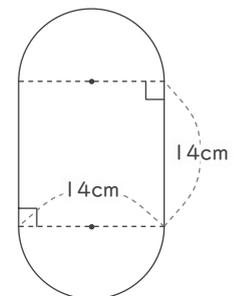
$$5 \times 5 \times 3.14 \div 4 = 19.625$$

$$5 \times 5 = 25$$

$$19.625 + 25 = 44.625$$

$$44.625 \text{cm}^2$$

⑨



$$7 \times 7 \times 3.14 = 153.86$$

$$14 \times 14 = 196$$

$$153.86 + 196 = 349.86$$

$$349.86 \text{cm}^2$$