

よく出る円の面積①

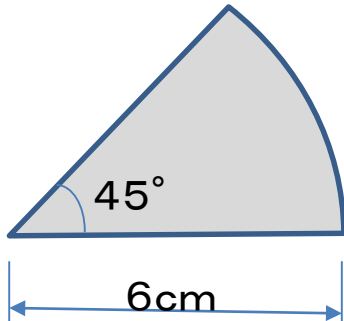


名前 _____

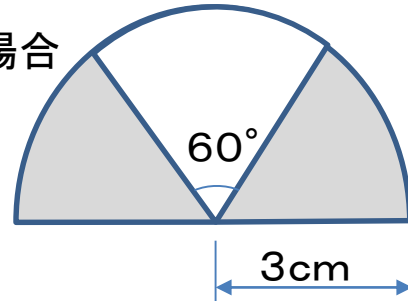


部分の面積を求めよ！

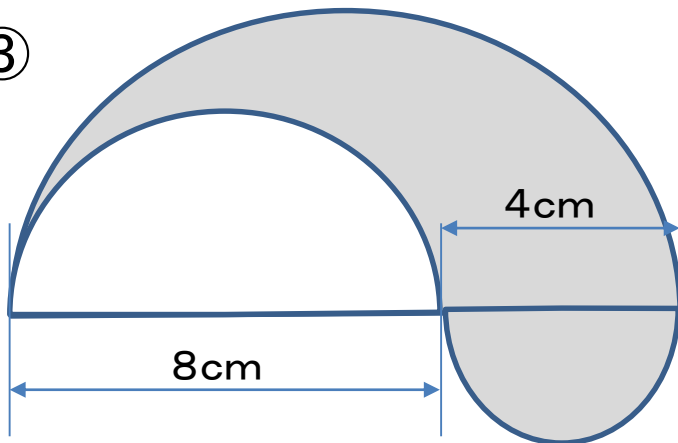
①



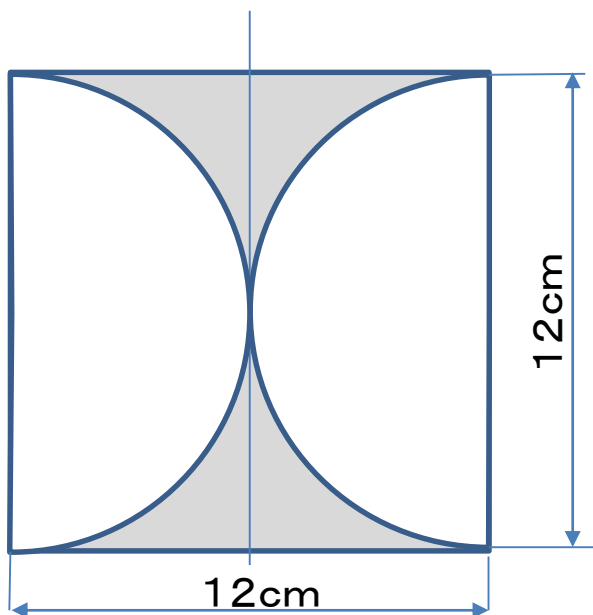
② 半円の場合



③



④



- ① $(6 \times 6 \times 3.14) \times \frac{1}{8} = 14.13 \text{ cm}^2$ ② $(3 \times 3 \times 3.14) \times \frac{120}{360} = 9.42 \text{ cm}^2$ (円の面積の部分は、 $360 - (180 + 60) = 120$)
 ③ $(6 \times 6 \times 3.14) - (4 \times 4 \times 3.14) + (2 \times 2 \times 3.14) = 75.36$ すべて半円なので $75.36 \div 2 = 37.68 \text{ cm}^2$
 ④ 正方形の面積 - 円の面積 = $(12 \times 12) - (6 \times 6 \times 3.14) = 30.96 \text{ cm}^2$