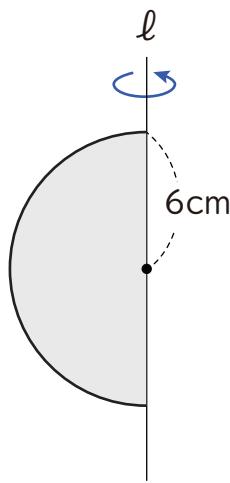


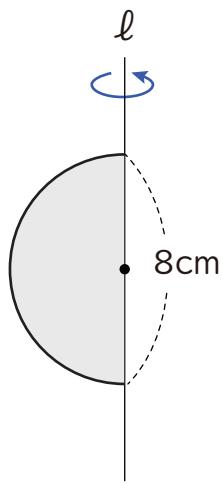
球の体積

次の半円を、直線 ℓ で 1 回転させた時にできる立体の体積を求めましょう。

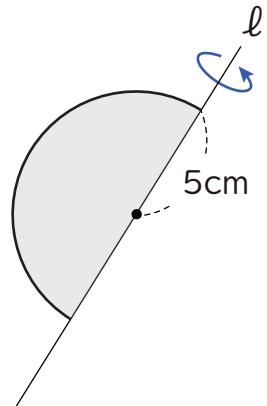
①



②



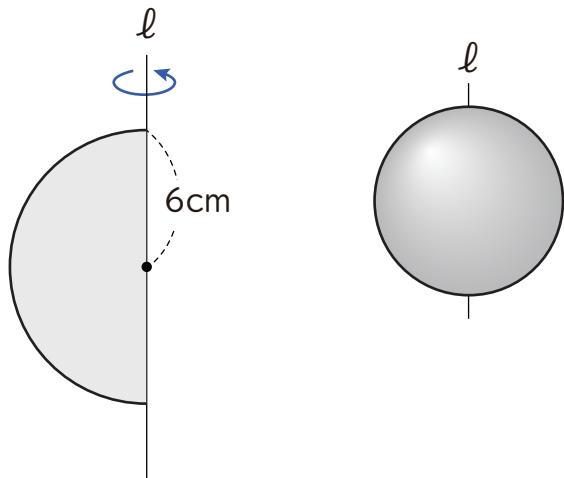
③



球の体積

次の半円を、直線 ℓ で 1 回転させた時にできる立体の体積を求めましょう。

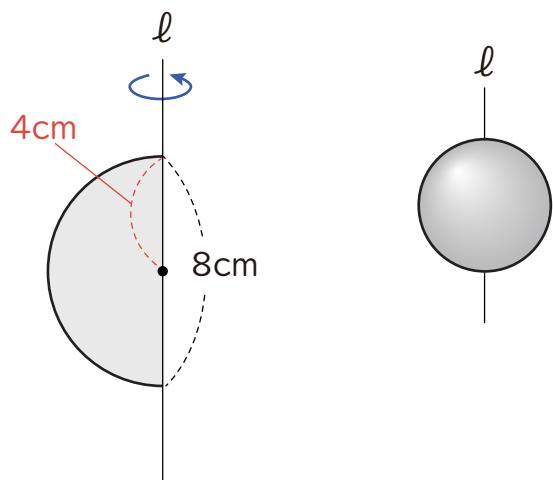
①



$$\frac{4}{3}\pi \times 6^3 = 288\pi$$

$$\underline{288\pi \text{ cm}^3}$$

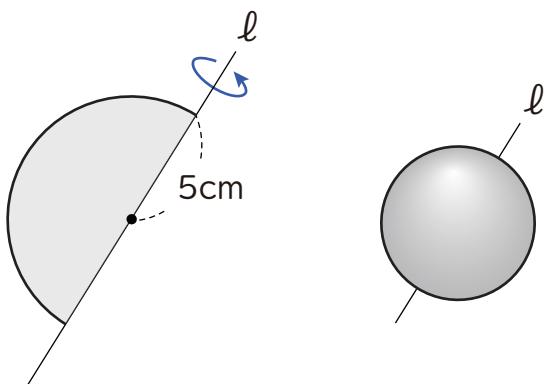
②



$$\frac{4}{3}\pi \times 4^3 = \frac{256}{3}\pi$$

$$\underline{\frac{256}{3}\pi \text{ cm}^3}$$

③



$$\frac{4}{3}\pi \times 5^3 = \frac{500}{3}\pi$$

$$\underline{\frac{500}{3}\pi \text{ cm}^3}$$