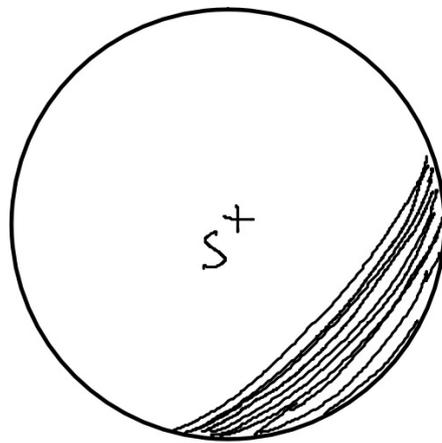
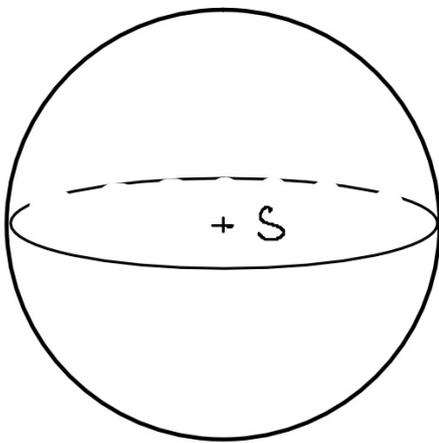


KOULE



$$V = \frac{4}{3} \cdot \pi r^3$$

$$S = 4 \cdot \pi r^2$$

př. Vypočítej povrch i objem koule, jejíž poloměr je 5,6cm.



$$r = 5,6 \text{ cm}$$

π — přes SHIFT
EXP

$$V = \frac{4}{3} \pi r^3$$

$$V = \frac{4}{3} \cdot \pi \cdot 5,6^3$$

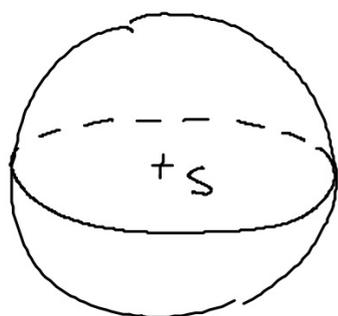
$$V = 735,62 \text{ cm}^3$$

$$S = 4 \pi r^2$$

$$S = 4 \cdot \pi \cdot 5,6^2$$

$$S = 394,08 \text{ cm}^2$$

Vypočítej povrch i objem koule, která má průměr 25cm.



$$\phi = d = 25 \text{ cm}$$

$$r = 12,5 \text{ cm}$$

$$V = \frac{4}{3} \pi r^3$$

$$V = \frac{4}{3} \cdot \pi \cdot 12,5^3$$

$$\underline{\underline{V = 8181,23 \text{ cm}^3}}$$

$$S = 4\pi r^2$$

$$S = 4 \cdot \pi \cdot 12,5^2$$

$$\underline{\underline{S = 1963,49 \text{ cm}^2}}$$