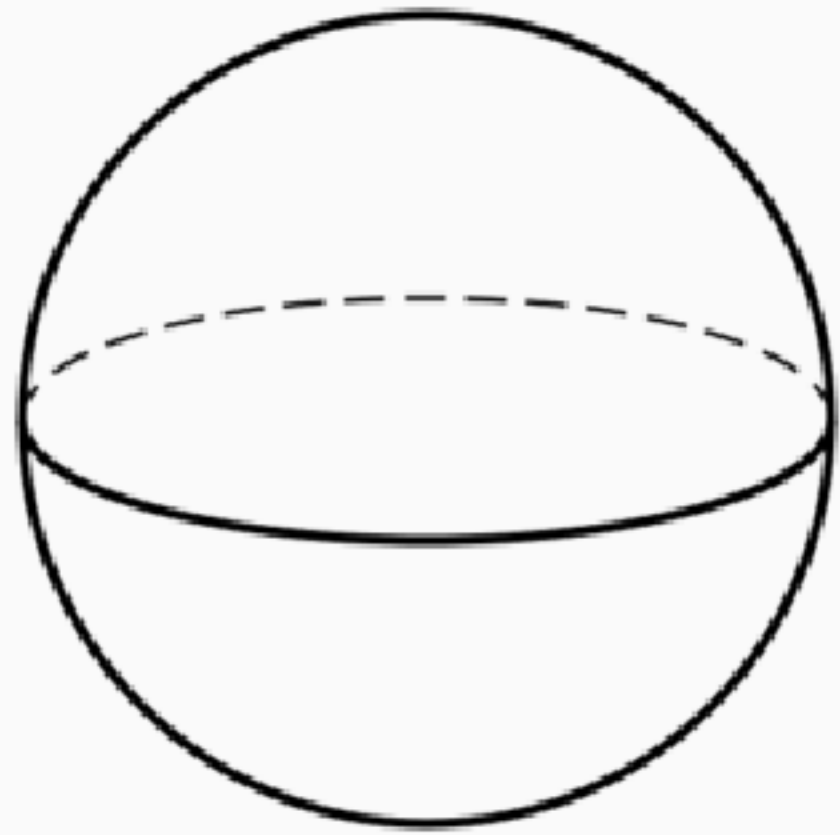




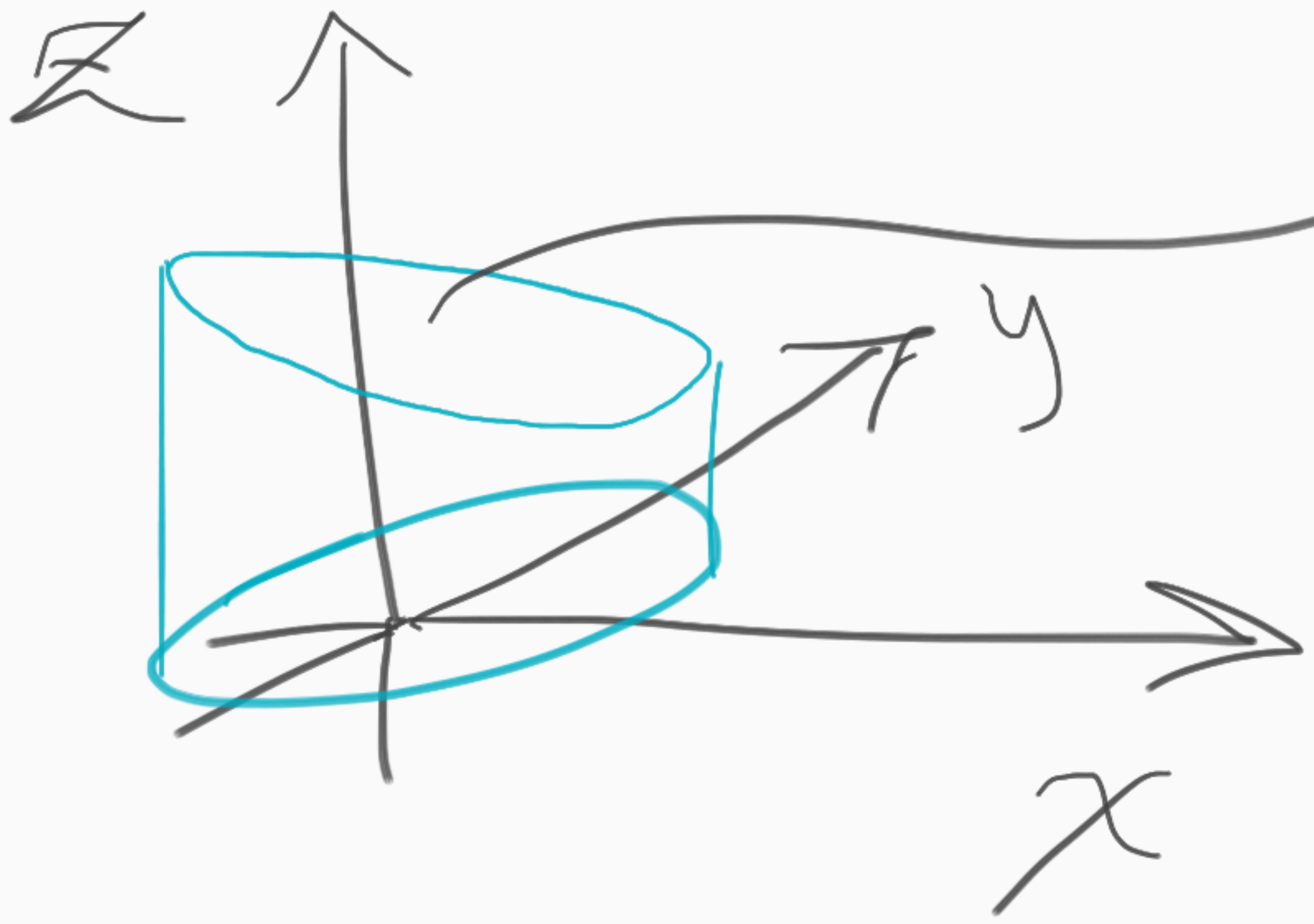
**How can I
parametrize a
donut?**



Parametrize it!
Surface
Integrate it!

$$\iint_S y \, dS \quad S: x^2 + y^2 - z = 0 \quad \left. \vphantom{\iint_S} \right\} 0 \leq x \leq 1, 0 \leq y \leq 2$$

Parametrize it!
Surface
Integrate it!



$$z = 1 - x$$

Parametrize it!
Surface
Integrate it!