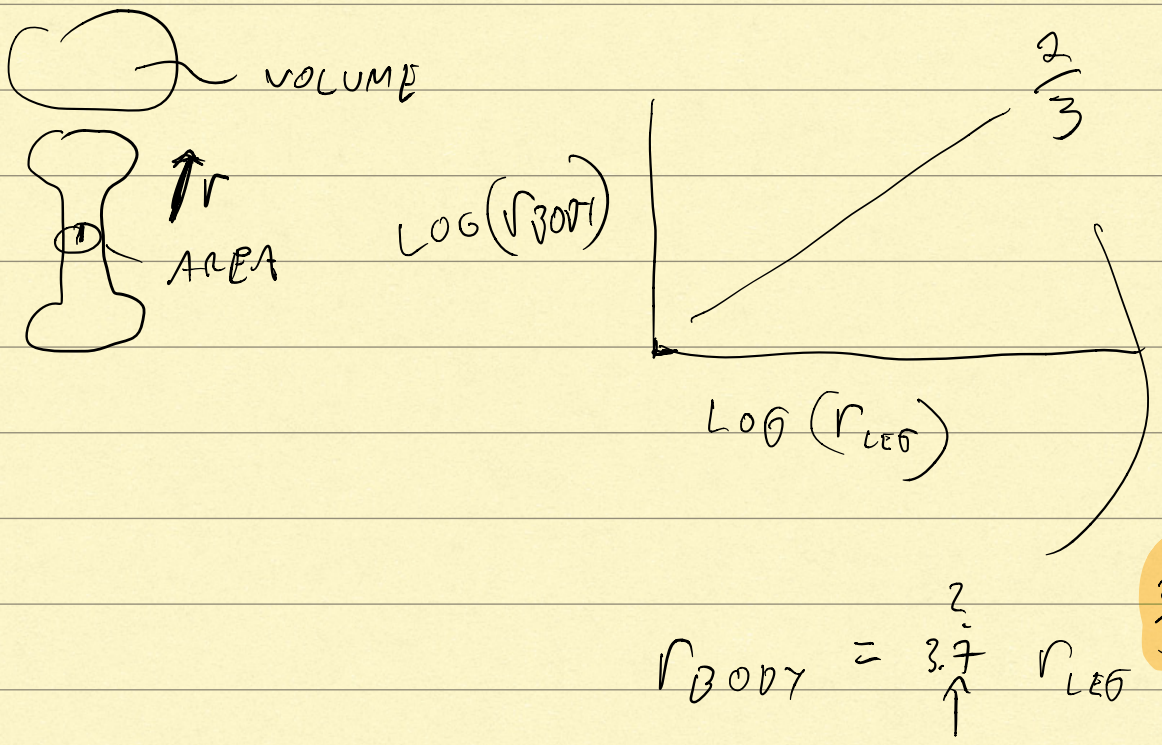
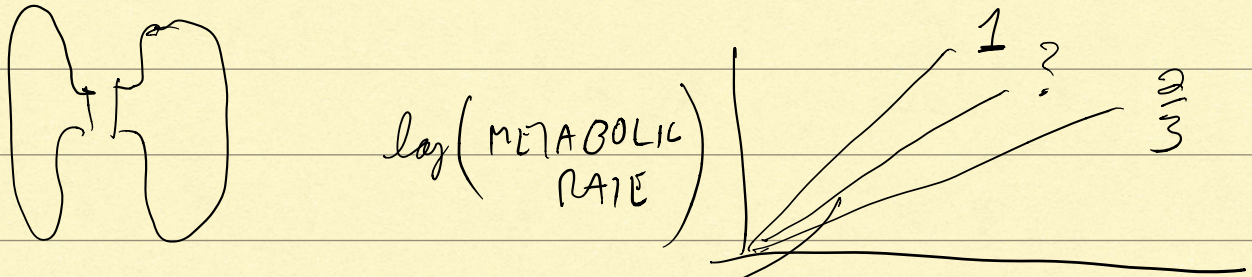
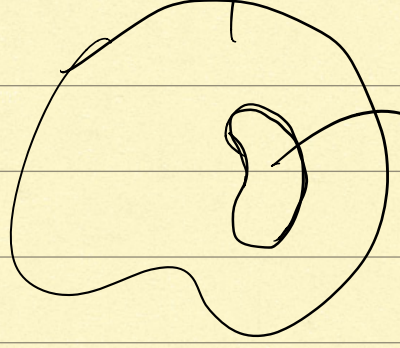
EX ALLOMETRIC SCALING



$$r_{BODY} = 3.7\, r_{LEG}^{2/3} + ?$$



EX PS7 CELL VOLUME

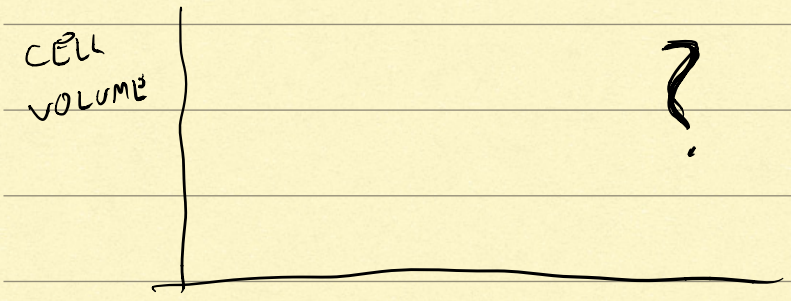


MITOCHONDRIA VOLUME

AREA

$r_{MITO}^2 \propto r_{CELL}^3$?

$r_{MITO}^3 \propto r_{CELL}^3$?



• LINEAR

$$V_{CELL} = a V_{MITO} + b$$

• EXPONENTIAL

$$V_{CELL} = a e^{b V_{MITO}}$$

$$V_{CELL} = a V_{MITO}^{b}$$

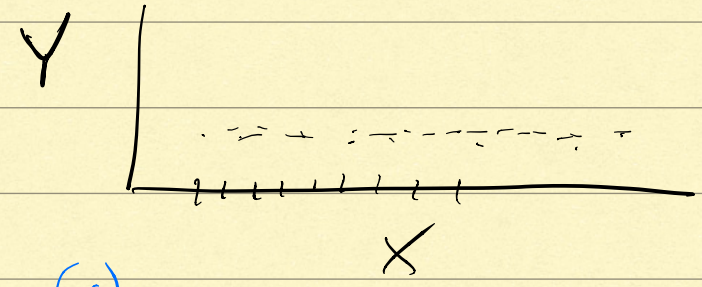
$$V_{CELL} = a V_{MITO}^{b} + \epsilon$$ ← NOISE

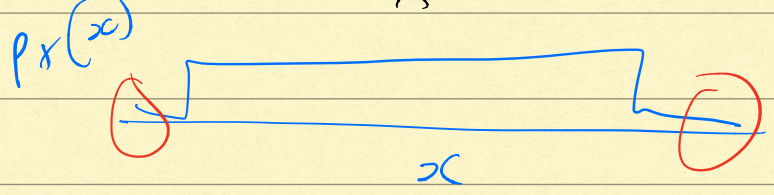
$$\log V_{CELL} = \log a V_{MITO}^{b}$$

$$= b \log V_{MITO} + \log a$$

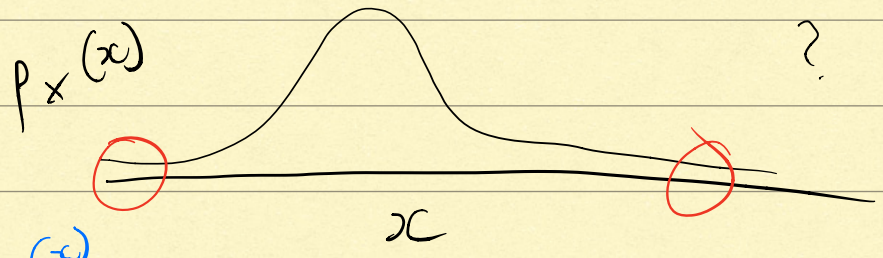
$$\log V_{CELL} = \log\left(a V_{MIMO}^{\,b} + \epsilon\right)$$

PS7 PART 3





WHAT SET OF X GIVES WORSE ERROR?



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