

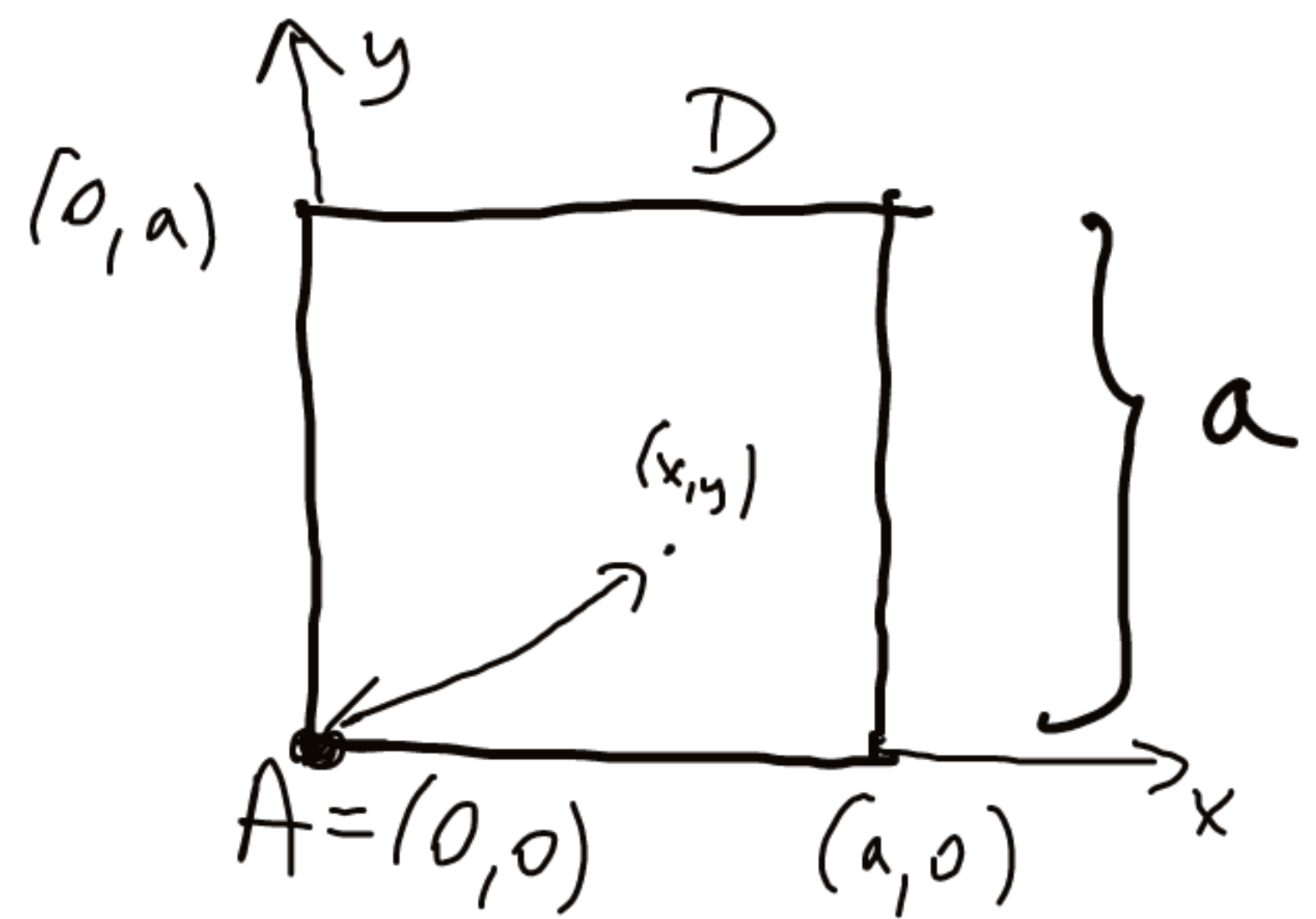
$$\text{Masa} = \iint_D \gamma \cdot (x^2 + y^2) dx dy =$$

$$= \int_0^a dy \int_0^a \gamma(x^2 + y^2) dx =$$

$$= \gamma \int_0^a \left(\frac{x^3}{3} + y^2 \cdot x \right) \Big|_{x=0}^{x=a} dy =$$

$$= \gamma \int_0^a \left(\frac{a^3}{3} + y^2 a \right) dy =$$

$$= \gamma \left(\frac{a^3}{3} y + a \frac{y^3}{3} \right) \Big|_{y=0}^{y=a} = \gamma \left(\frac{a^4}{3} + \frac{a^4}{3} \right) = \underline{\underline{\frac{2}{3} a^4 \gamma}}$$



gibic' ~~uzity~~ $\hookrightarrow (x,y)$

$$= \gamma \cdot \underbrace{d((x,y), A)^2}_{\text{distance squared}}$$

$$= \gamma \cdot \left(\sqrt{x^2 + y^2} \right)^2 = \gamma (x^2 + y^2)$$

de est. lambratu