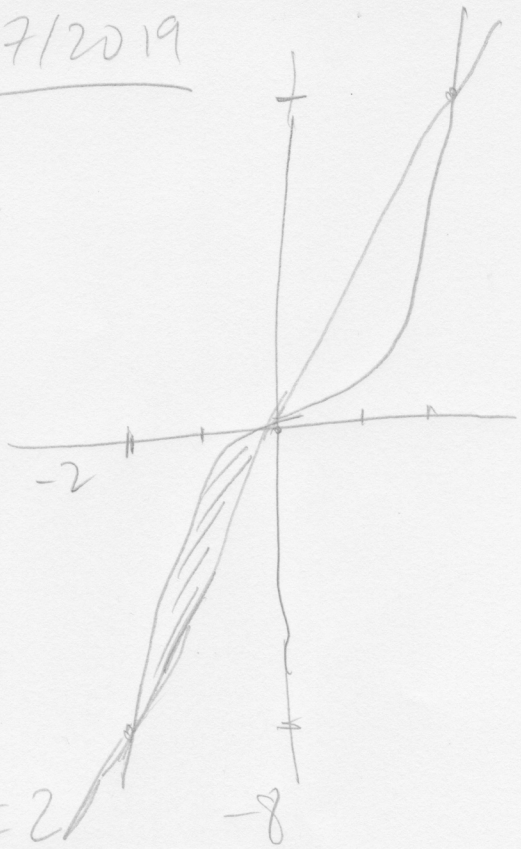
GABARITO SUB

01/07/2019

①

① $\int_{-2}^{0} \int_{4x}^{x^3} f(x,y)\,dy\,dx$



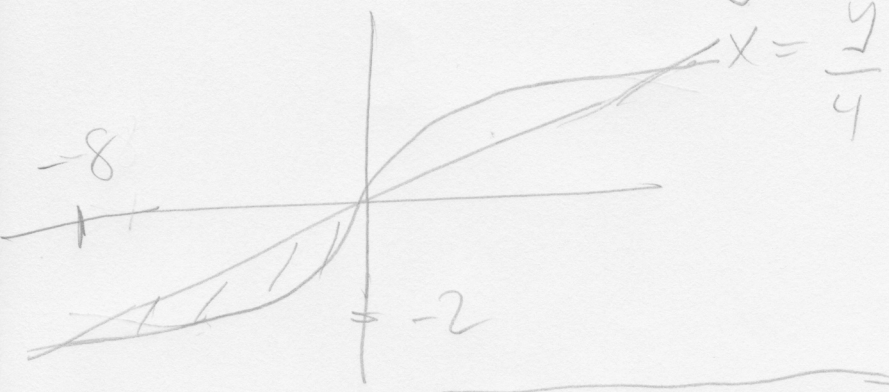
$x^3 = 4x$

$x^3 - 4x = 0$

$x(x^2 - 4)$ soluções: $0, \pm 2$

$x = y^{1/3}$

$x = \frac{y}{4}$



$$= \int_{y=-8}^{0} \int_{x=y^{1/3}}^{y/4} f(x,y)\,dx\,dy$$