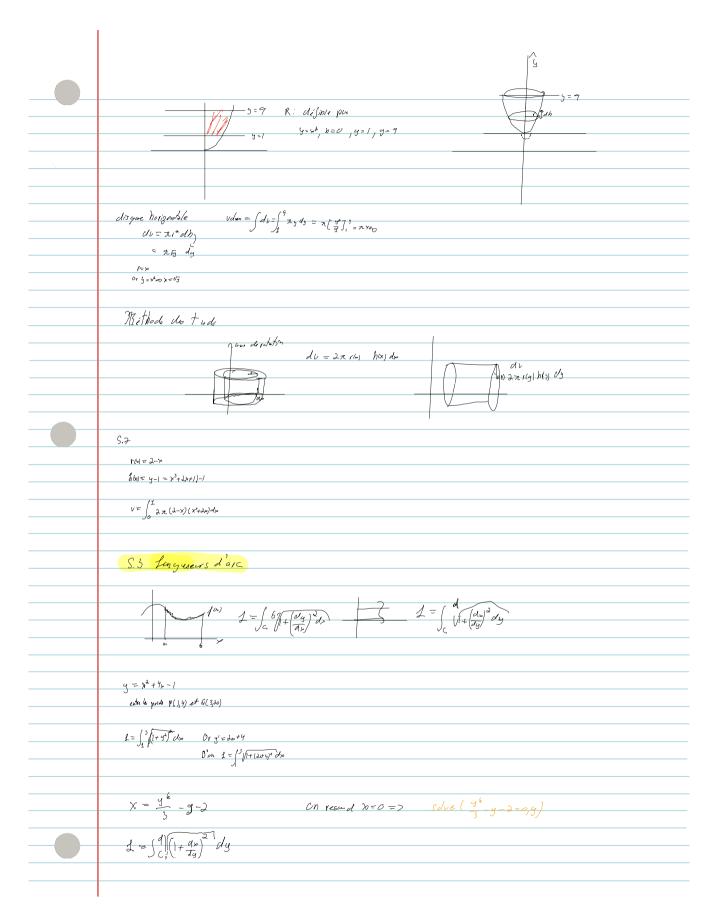
Rappel:

Sifet continue on Ja, 6C, alors Ja for de = F(a) - F(a) on = primitive def Si a, 6 E 2-00, + 00 [
On Gier of est discontinue sar la points isdée de 7a, 6[ on parle d'intégralier impropres Cx: 1 type 1

O J dr: intégrale impropre 

O J 2x2 dro est impropre Jo xd dr = J 2xd + J 3 xd dr = lem J 3 xd + tn /3 xd dr = s-y-Jo xx-1 + t-y+ J xd  $\int_{1}^{\infty} \frac{ds}{x} = \lim_{s \to \infty} \int_{1}^{s} \frac{ds}{x} = \lim_{s \to \infty} \left[ \ln s \right]_{1}^{s} = \lim_{s \to \infty} \left( \ln s - \ln t \right) = \lim_{s \to \infty} \ln s = \infty$ 4.54  $T = 2 \qquad Ts = \int_{0}^{4} 3(+3)^{2} dt = \left[ 3 \frac{1}{-h^{2}} (+3)^{2} h^{2} \right]_{0}^{4} = \left[ 2(+3)^{2} h \right]_{0}^{4} = 4 \left( 2-(-3)^{2} h \right)$ in proper Is = 4, 6(2-(5-2)/4) = 120  $\int_{17}^{19} \int_{17}^{47} \frac{dt}{t^{2}} dt + \int_{17}^{2} \frac{dt}{t^{2}} dt = \int_{17}^{17} \frac{dt}{t^{2}} = \int_$  $\int_{0}^{\infty} \frac{dx}{h^{2}-1} dx = \int_{0}^{1} \frac{2x}{x^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{\frac{1}{2}} \frac{2x}{x^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{x^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{h^{2}-1} dx + \int_{0}^{\infty} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{h^{2}-1} dx + \int_{0}^{2} \frac{2x}{h^{2}-1} dx = \int_{0}^{2} \frac{2x}{h^{2}-1} dx$ = 101 to [62] + 1471 - 50 (1018-11) + 200 (1018-11) + 200 (1018-11) - 1018 = 100 10 | 541 + 00 = 0 200



S.11 du= Kli-ridy