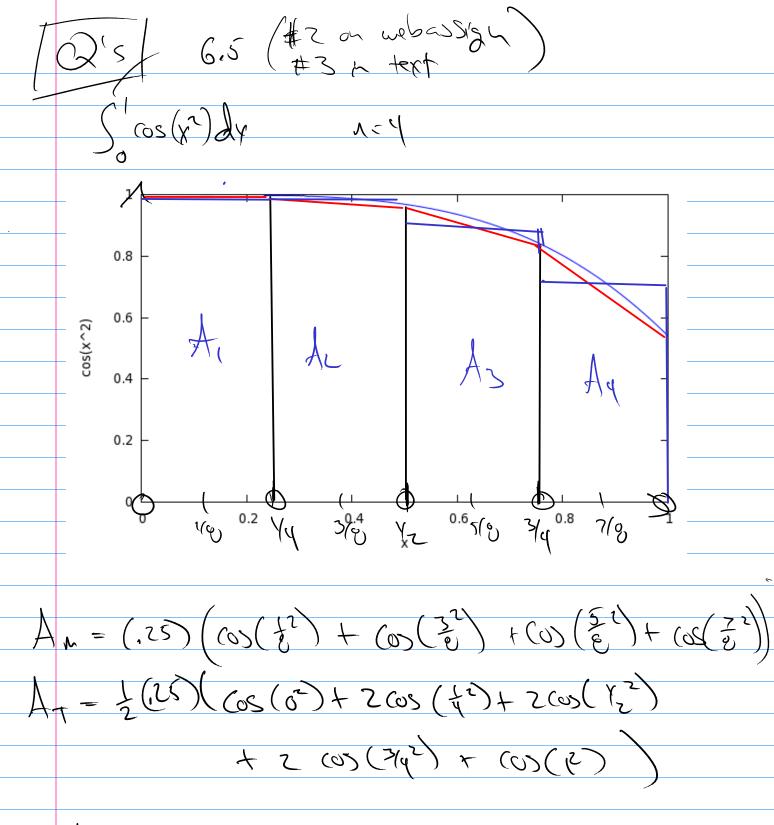
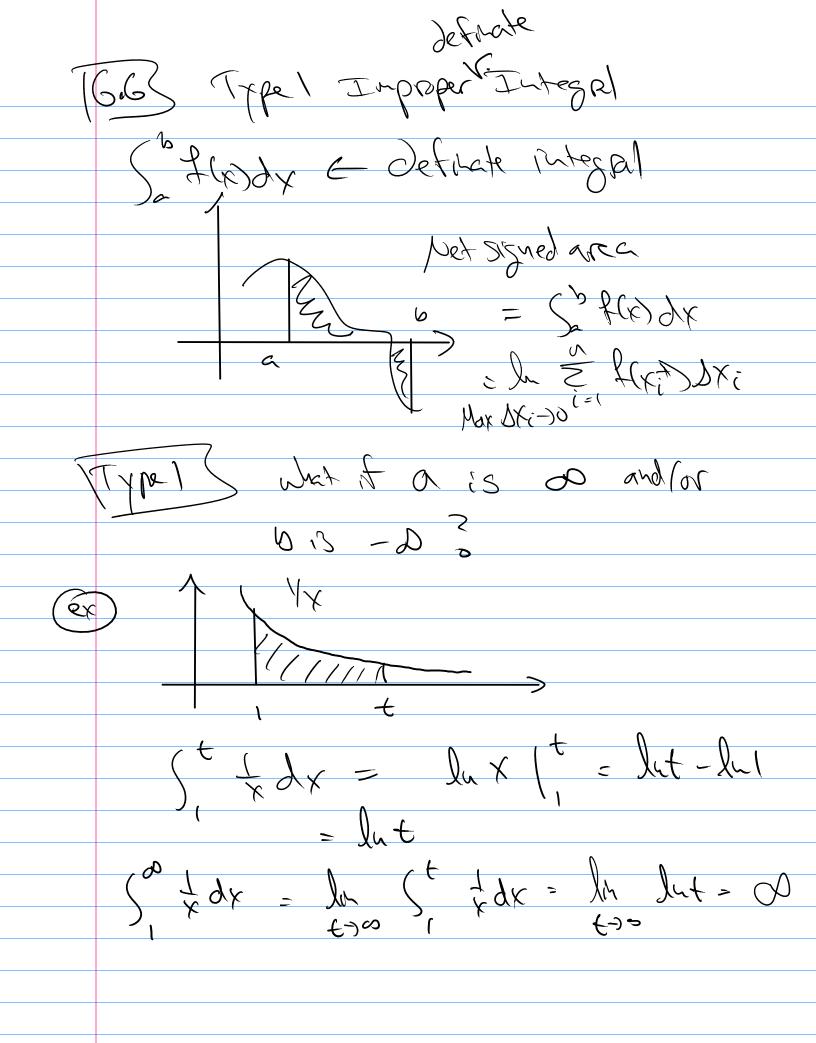
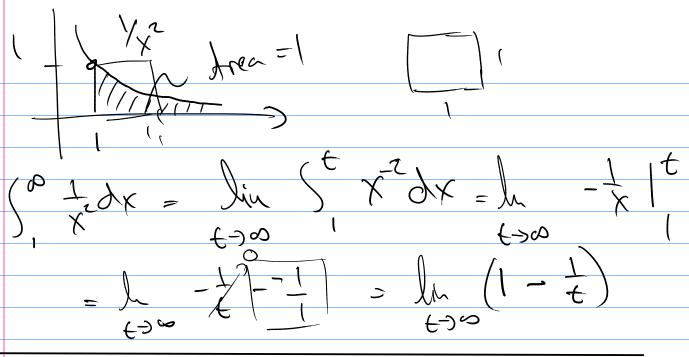
Math 293 Franz Chib (12 probs) Tues 10pr - Thurs 7pm @ 105 mins Integraba by Parts (2) Integrate Trig (1) Trig. Substitution (1) Parkel Fraction (2) Table of Integrals (2) Might YDDOX (1) Simpson's Approx (1) Type I Inproper Integral (1) Type 2 Improper Integral (1) # 13 1#14 / Extra credit (Some type & produm)



An is probably over estimating.



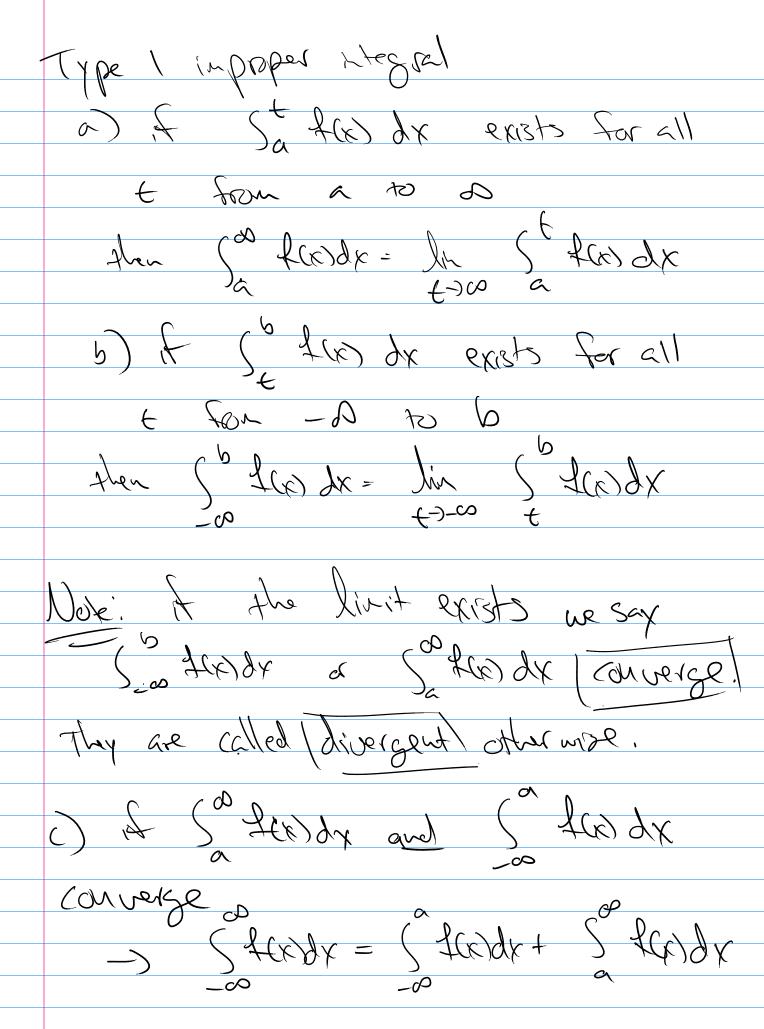


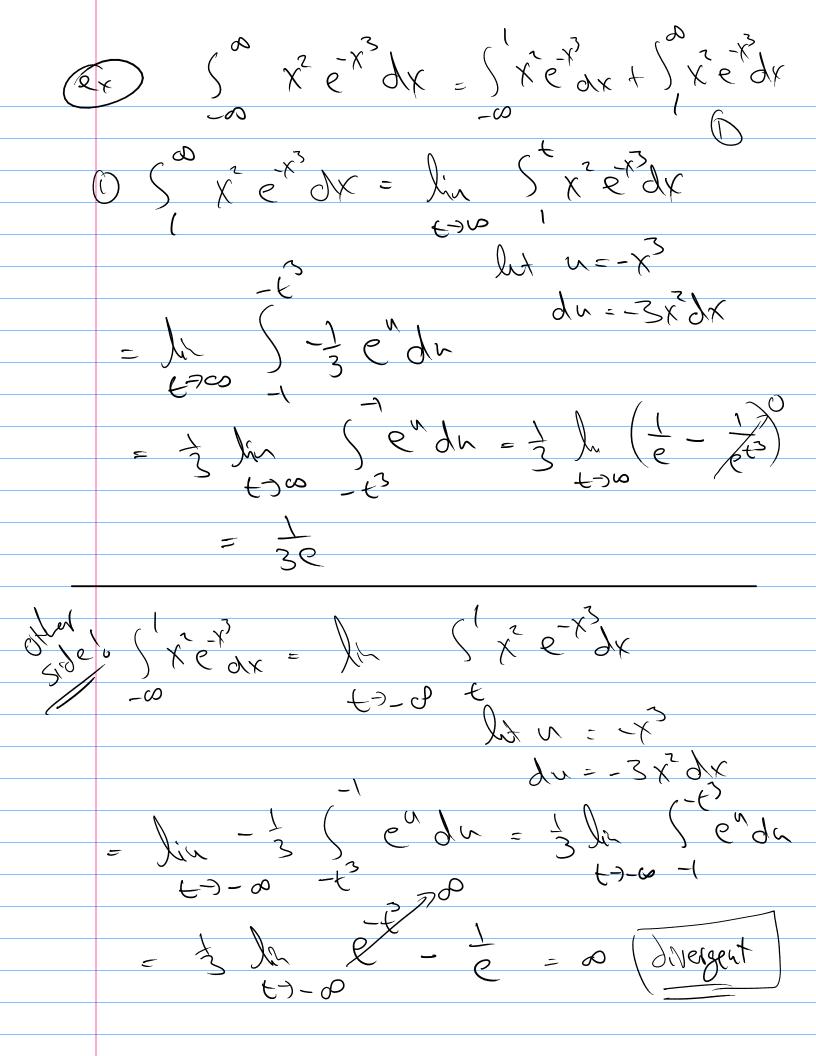
$$V = \int_{\pi} (x) dx = \lim_{x \to \infty} \int_{\pi} (x) dx$$

$$= \int_{\pi} (x) dx = \lim_{x \to \infty} \int_{\pi} (x) dx$$

$$= \int_{\pi} (x) dx = \lim_{x \to \infty} \int_{\pi} (x) dx$$

 $SA = \int_{0}^{1} SA(\frac{x}{x}) \sqrt{1 + (\frac{x}{x})^{2}} dx$ $= \int_{\infty} \int 2tt \int 1 + |x|^{2} dx$ = lin 2tt (+1/x") /x (+300) SA> lon 277 5 \$ dx = lon 277 lot Sixtere Area -> 0 Gill it with TT white 3 ant paint it what of mits





So Sxe-xlx 15 divergent $\int_{0}^{\infty} \frac{x_{0}}{y_{0}} dx = \int_{0}^{\infty} \frac{x_{0}}{y_{0}} dx$ - L 1-P

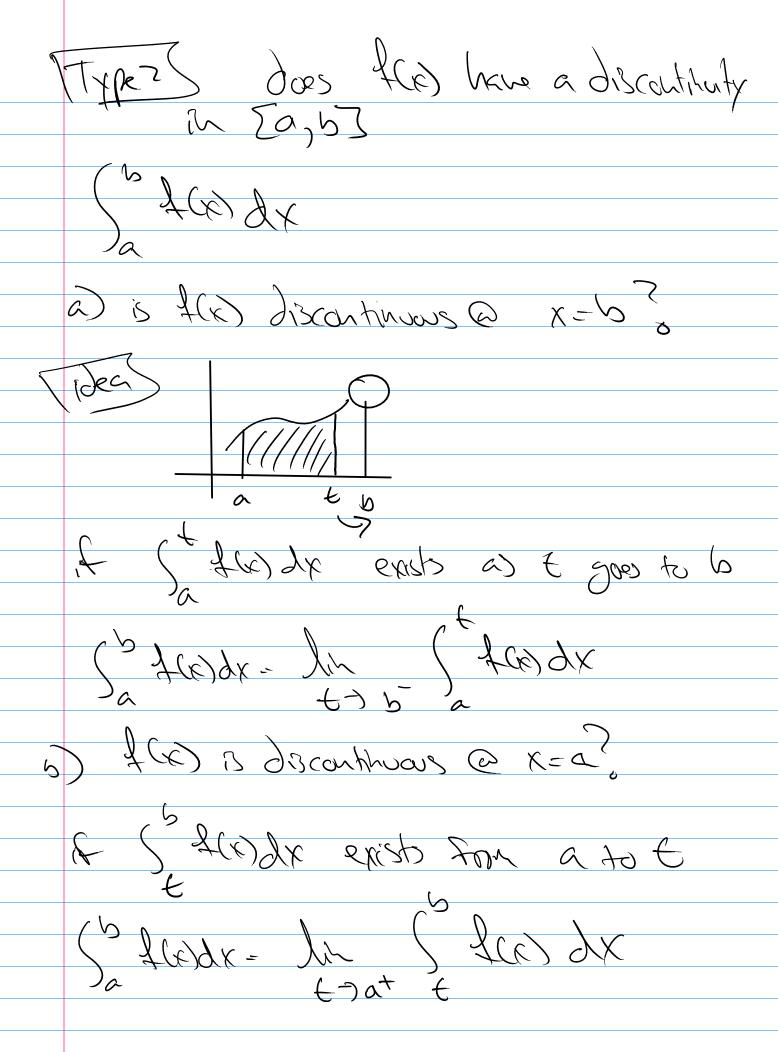
(-P

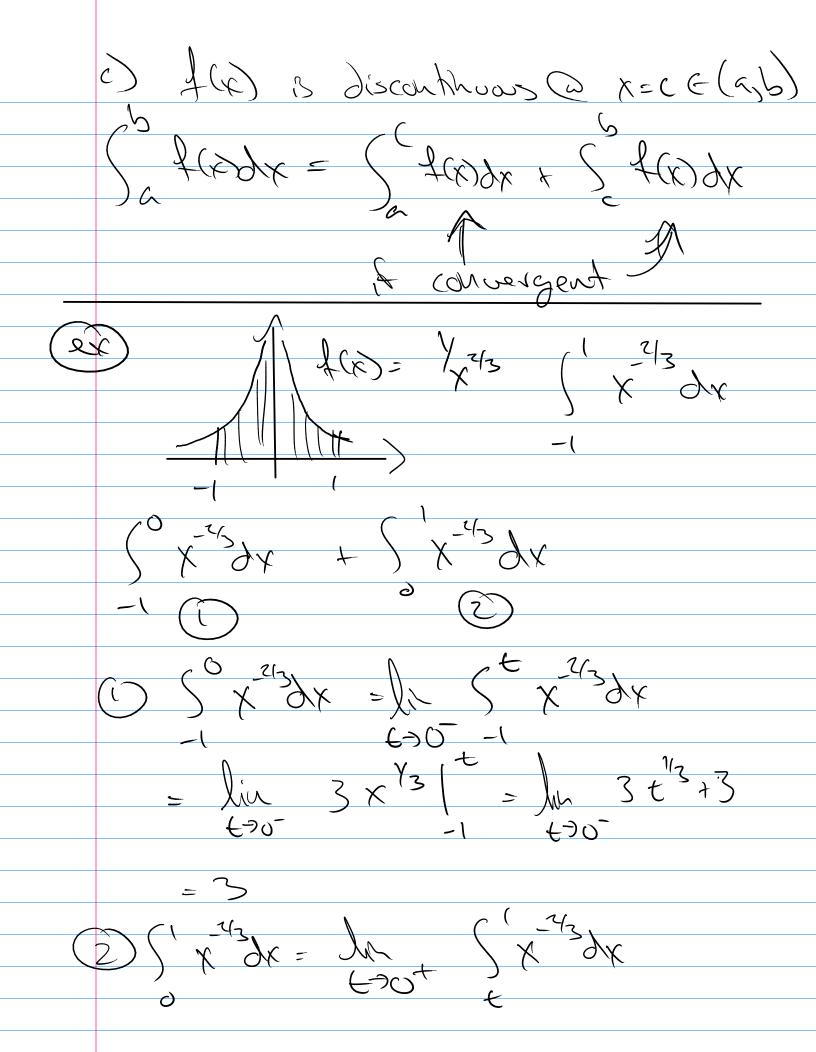
(-P) () 2 lu() special case (dileigs) () lin to positive

E-20

L-20

L-20 So (p to dx p = 1 diverges p >1 converges

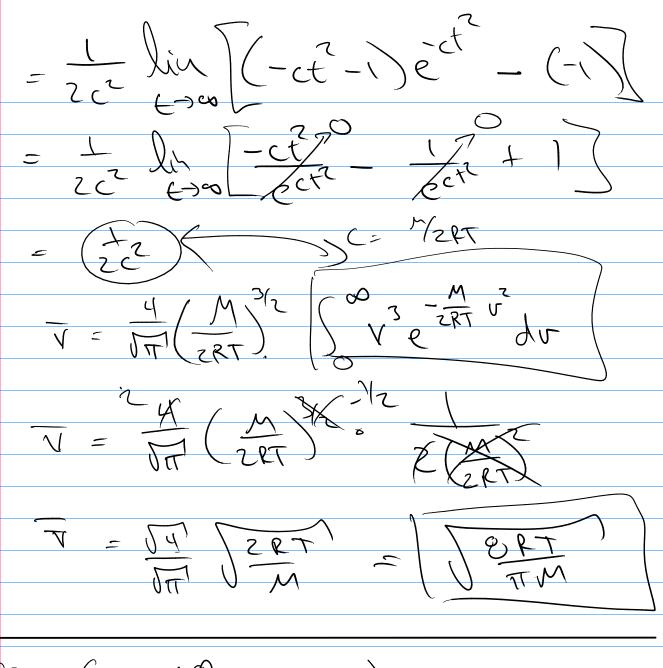




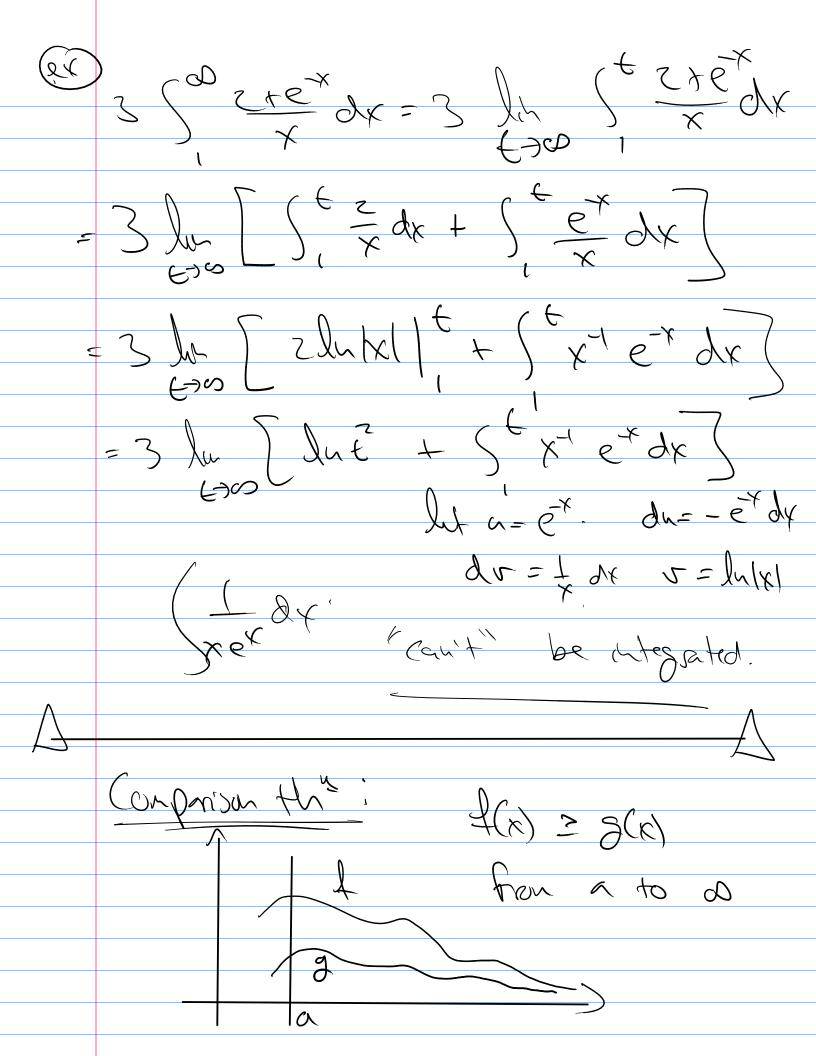
$$= \frac{1}{3}$$

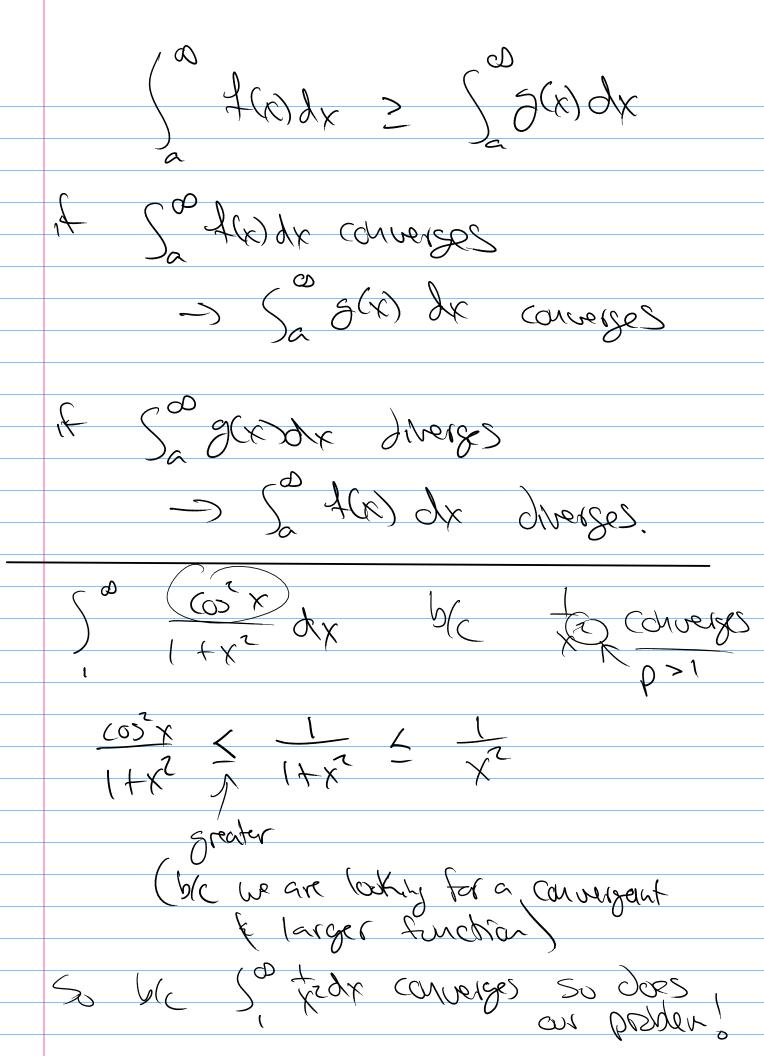
$$= \frac{3}{3}$$

$$= \frac{$$



 $\frac{2}{3} = \frac{2}{2} + e^{x} dx + 3 = \frac{2}{2} + e^{x} dx$





pdr = h = f x-pdr (p# = lin (-p x (= 1-p &) - t Converges $\int_{0}^{\infty} \frac{1}{x} dx = \int_{0}^{\infty} \frac{1}{x} dx$ thx t = lu -lut = p>1 cons. >1 dw. 2 Logx COMV.

or polin or Just Sugar Several Sugar Several Sugar Several Seve X . [] So So x shx dress $\int_{1}^{1} \frac{1}{6x} \, dx$ G 4855 b() that convers so does the snather area

