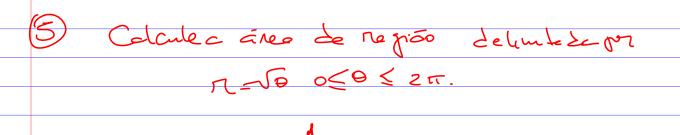


Em que Ruto a conclus é monma? K->0 K= 27 Y=ex k= - (")")3½ √(x)= ex f"(x)= ex K= +(1)2)32  $K = \frac{e^{x}}{\left[1 + \left(e^{x}\right)^{2}\right]^{3} \Sigma}$ K(x)= = x [1 + e2x]=2 Ondes derivedo e mole ) ( Pombaítico) k'(x) = 0 K'(Y)= ex[1+e2x] = ex= [1+e2x] = ex-12

[1+e2x] = ex-12 K'(x)=0 e\*[1+e2x]3/2-ex-3[1+e2x]/2 =2x.2 =0 ex[1+e2x] = = = = 3[1+e2x] 2 ex[1+e2x] = e3x 3 ex[1+e2x]=e3x3 [1+e2x] = e2x3 m(=)= ln(e2x) x=-1 enz Y= 1 P.C: (-1 luz, 1)

TCalcule o comprimento exeto de curre por



$$A = \int_{0}^{\theta_{1}} \pi^{2} d\theta = \int_{0}^{2\pi} (\sqrt{\theta}) d\theta$$

$$A = \int_{2}^{2\pi} \frac{1}{1} \Theta d\theta = \frac{1}{2} \frac{\Theta^{2}}{2} \left| \frac{2\pi}{9} \right|^{2\pi}$$

$$= \frac{1}{9} \left( \frac{9\pi^{2}}{9} \right)$$

