



Sarctgi dx I poo S = 3 9 = 3 9 > 1  $\int \frac{1}{\sqrt{1+x^2}} \sqrt{1+x^2} = \frac{1}{\sqrt{1+x^2}} \sqrt{1+x^2}$  $\frac{1}{0}\ln(1+x^2) \qquad x \to 0$  $\frac{\int t \, dx}{\ln(1+x^2)} \leq \frac{\int x}{x^2} \leq \frac{1}{x^3/2}$ paeser, 9=3/2 59\$1 uescod paescod