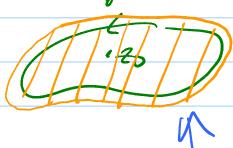
Basic Ireq. | If de \( \left( Max | lel \) Length (V) 2  $\approx \left| \frac{1}{2} f(x_0) \Delta x \right| \leq \frac{1}{2} \left| \frac{f(x_0)}{|x_0|} \right| \Delta x \right|$ < M 2 | Azl < M Length (8) C;  $Z(t) = e^{it} = (ost + i Sint)$ on C:  $|e^{2(t)}| = |e^{(ost+iSint)}|$   $= |e^{(ost+iSint)}| = |e^{(ost+iSint)}|$   $= |e^{(ost+iSint)}| = |e^{(ost+iSint)}|$  $e^{1/2}$   $y=e^{(ost)}$ 1/2 7 3/1 2/1  $\left| \int_{CR} \frac{1}{z^3+1} dz \right| \leq \left( \frac{1}{R^3-1} \right)^2 2\pi R$ 

Cauchy Ihm.

$$\frac{\text{or}}{=2^2} \left( \frac{1}{2^2 - 1} \right) = 2^2 \left( \frac{A}{2 - 1} + \frac{B}{2 + 1} \right)$$

f(2)

$$\frac{1}{2\pi i} \int \frac{f(z)}{z-3z} dz = f(3z)$$



f analytic inside and on a
Simple closed curve Y

 $\frac{1}{y^{000}}$   $\frac$