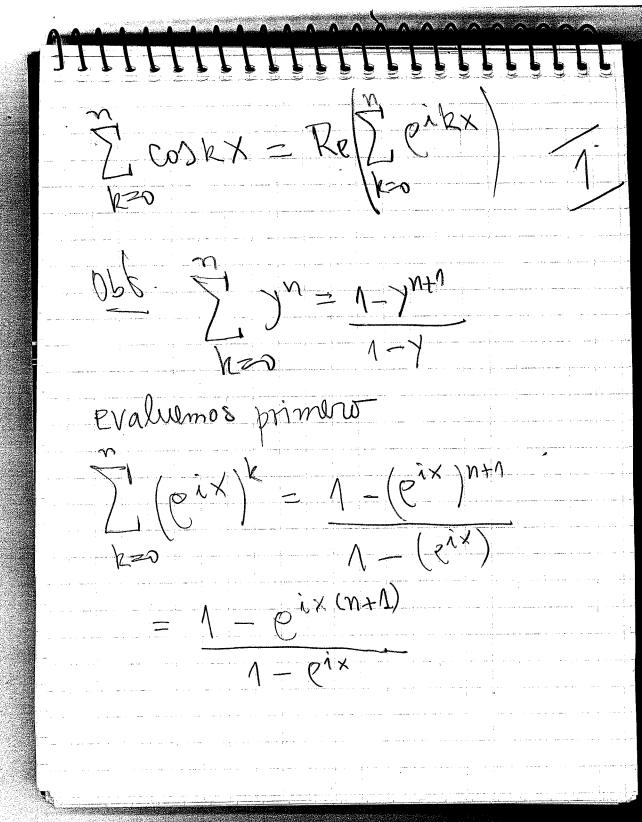
## COMPLEMENTO CLASE # JU 00/09/2016-



pero 1-eix = eiz(eix-eix) Et viert from de factoritar por 10 Londe eix/2-e-ix/2=2isen(x/2) 1-eix = eix/2 2; con(x) anterior:  $1 - e^{i \times (n+1)} = e^{i \times (n+1)} 2 i \operatorname{sen}[n+1] \times 1$ 

## JAMEBEEEEEE BULLEEE BUUL

luego

Nex

1 (x(n+1))

N=0

1=0

1=0

1=0

1=0

1=0

1=0

 $= e^{i \times (n+1)} 2 i \operatorname{Sen} \left( \frac{n+1}{2} \times \right)$ 

 $e^{\frac{X}{2}} \frac{1}{2} \left( \frac{x}{2} \right)$ 

=  $e^{\frac{2}{2}}$  Sem  $\left[\frac{n+n}{2}\right]$ 

 $Sem \left[\frac{x}{2}\right]$ 

 $= \cos\left(\frac{n\times}{2}\right) \operatorname{Sem}\left(\frac{n+1}{2}\times\right)$ 

 $Sim\left(\frac{X}{2}\right)$ 

 $+ i \operatorname{sen}\left(\frac{x}{2}\right) \operatorname{sen}\left(\frac{n+1}{2}x\right) \left|\operatorname{sen}\left(\frac{x}{2}\right)\right|$ 

