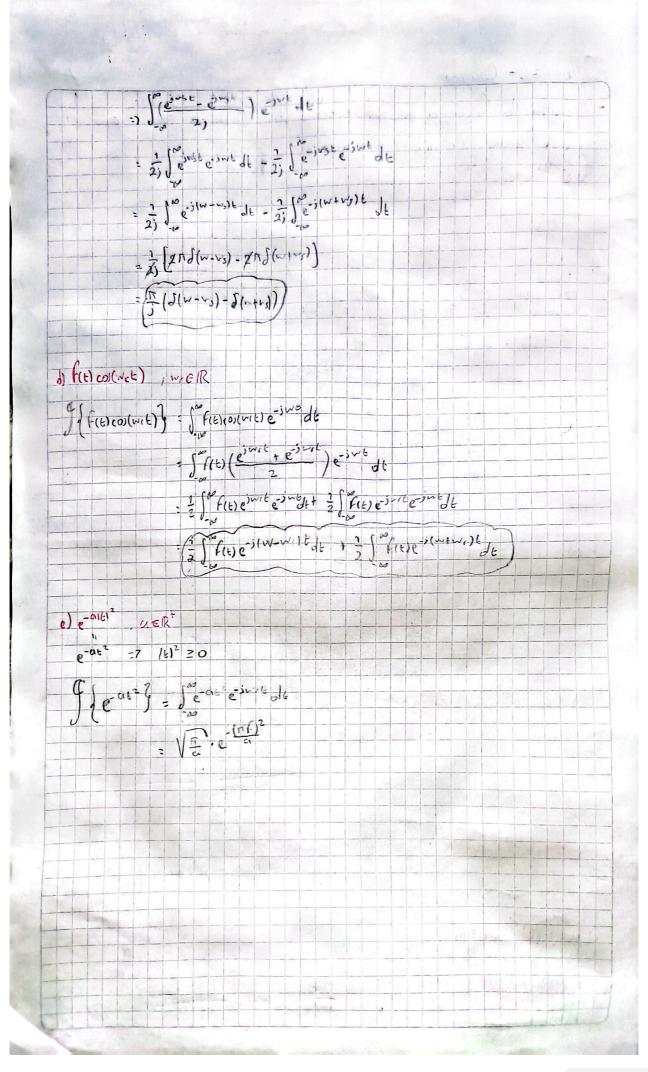
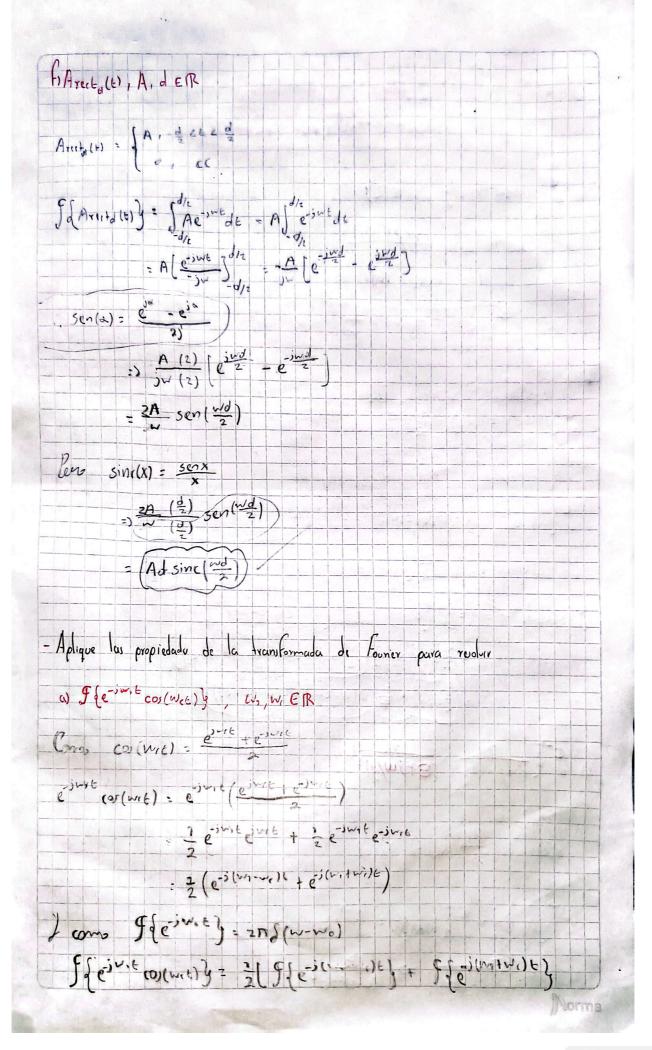
Taller #2 - Calculor - Encuentre la función de densidad espectra (transformada de Fourier) para las signiente señale (sin aplicar propiedales): a) e alet, ae R' Fealth = Socate juttle + Socate juttle

- Socate juttle + Socate juttle

- Socate juttle

-b) cos(wit), wielk Id (05(w,6) = ) cos(w,e) e sue dt : cos(wit) = ejrit | ejric =) \( \left(\frac{e^{i\text{vit}}}{2}\right) \end{array} \) \( \frac{1}{2}\right) \( \frac{1}{2}\right) \) \( \frac{1}{2}\right) \) \( \frac{1}{2}\right) \) \( \frac{1}{2}\right) \( \frac{1}{2}\right) \) \( \frac{1}{2}\right) \( \frac{1}{2}\right) \( \frac{1}{ = 1 for = >(w-v) t dt + 3 for | w + v | dt : Se out dt = 2118(x) : \frac{1}{2} [ANS(~~~1)] + \frac{1}{2} [ANS(~~~1)] = n[J(w-wi)rJ(n+vi)] e) sen(wst) vs EIR J(sen(ust)) = Johnst) eine de : Sen(ust) : einst einst





\$ { = 1 - ( or - ( or + or ) ) } = [ [2[w(m-v.)] + 2[v-(v,+ve))] by Southous (WIER) (as (02(v,1) = 1100(2v,16) v(t)(0°(w,1) = 1 v(t) + 20(6)(0 (20, t) Man (9 (U(E) 9 = 17 S/n/ + 2 = U(W) Liber que 5 {u(e) e sino e } = U(w=wo) \$ \{ U(E) (0) (2W,E) \} = \frac{1}{2} \[ U(W-2M!) + U(W+2We) \] \$ {u(e)co)2(w,e)3= } \$ \$ {u(e) } + \frac{1}{2} \$ {u(e) } co)(2w,e)} = = = ( ( ( ( ( - 2 m) + 0 ( W + 2 m ) ) ) = ( = U(w) + = (U(w-247) + U(247247))) c) 5 ( = + cut +5 \* (8 + j cu/3/2) Lebenor que; x(E) = y(e) => x(jw). Y(jw) Erlong 9 {x(ju)} , 9 { y(ju) = 5 { x(ju) , y(ju)} X(jw) = 7 -> 7 (v+5)2+62

