Ex4: XN &(d) f(n)= stedx sin>0, d>0 La variance est par définition: $V(x) = E(x^2) - E'(x)$ over E(x) = Inf(n) dn = JANEdy Integration pou porties:

Svient Ju(n) = n $v'(n) = de^{dx} = v(n) = -e^{dx}$ D'n E(x)=[-xed]+ fedxdn $-\int_{-1}^{0} \frac{1}{e^{2x}} dx^{7+1/2}$ $E(x^2) = \int_{-\infty}^{+\infty} dx^2 e^{dx} dx$ Soient (w(n) = 22) w(n) = 22