$\sum_{k=0}^{\infty} q^k = 2$ 19) <u>v</u>= o(Vm) (=) ∃Em, Em →0 d  $5 TR' = \frac{1}{CR^2} = 1 - CR^2$ Ino EN, Vm 7Mg, Um = En Vm Un a Vm Tom = 1 = 1 + Tan2 (=) 3 Bm (On -> 1 et ancsin  $x + ancces x = \frac{11}{2}$ FroON, Vn Juno, Un = On Vm  $v_1cos'$ , arctan', arcsin'  $v_n = O(V_n)$   $arctan \times + arctan \frac{1}{2} = \begin{cases} \frac{U}{2} \times 20 \approx 3 \text{ KeV} \\ \frac{1}{2} \times 20 \approx 3 \text{ KeV} \end{cases}$   $v_n = O(V_n)$ ancces, anctom, aresim casa cast = ? (20)  $Im y = Ker(y - ide) : pt (sina simb = ? (8) <math>Ker(s - ide) \oplus Ker(s + ide) = E$ 20) Imy= Ker(y-ide): pt Gixes 7 1212 = 27 \ s symetrie par raport Kirls-ide / 1 Ketstig 721) Ces DLs 726) MB2, E2 (B) = PEZ, MB1, E1(C) PB2  $az^{2} + \beta z + c = 0$   $Z_{1}Z_{2} = \frac{c}{a} \quad Z_{1} + Z_{2} = \frac{-\beta}{q}$ 10 Un+1 = aUn+ B 30) comA Untz + aUnti + GUn =0 A (com A) = det(A) In  $y' + a(t)y = \beta(t)$ 32) Produit scalaire y" + ay' + By = c(t) S: <=14> <<=12><y1y> <= 12><y1y> <= 12+14 15) groupe ann (x17) ( 11x111y11 sign siam Maganalité mor (gr, ann) Gram-Schmidt integre corps 16) (avb) (anb)=ab Fernat at = a [7] si 119 101=1[1] 18)  $(-1)^R \frac{a_{m-R}}{a_m} = \sum_{1 \le i, < i \le m} \lambda_{i, < i \le m}$ 18) Lagrange