(F) 1) ((2) = 2-2, ym 2 = 0 9m 1 = 0.70 Bon 2-2 = [ 1] = 0 = 72 = 2 - name  $\lim_{M \to 20} f(2) \cdot (2-20)^{m} = A = |m-m_{10}| - nonsequented$   $\lim_{M \to 20} A \neq 0 = \lim_{k \to 0} \frac{1}{2-2} (2-2)^{m} = |m-1| = \min_{M \to 0} \frac{1}{2-2} (2-2)^{m}$ = Gm 3-2 = 1 30 = 2 - nomer 1 too nopregue 2) f(2) = \frac{2+2}{(2-2)^2} = \frac{2+2}{(2+2)(2-2)^3} 21=-2; 22=2 4m (8x) 1 = 1 = 1 - 4 - 4.0.7. -21 = -2 9m (2+2)2-2-nouse 4m(2+2)1 (2-2)m |m=3| = lim (2+2)(2-2)3 13 13 2 13 == 2 - nouse 3-20 nopogua 2-2 | Gm (2+2) (2-2) 5 = 0 = 21,0.7.

lin sin 2-2 - 7 - C.O.T. 2-00 9m Sin 1 = Sin 0 = 1 - 40.T. 4) f(z) = 1 80 = JU TOK KEZ lim 1 - 00 - neugoe 31= 00 f(2) ] => 21=0 - ne glu ugol \$\ \f(z) = \frac{2+3}{2(2+1)(2-0)} 21=0 ; 2= -2; 23=1 1) lim 2+3 = 0 - noune 1 Cin 2+3 = |m=1| = Cim (2+3)2 = | 1 = | 1 = Cim 2(2+2)(2-1)2=15 2,=0-nouse 1-20 nopergua 2) lim = -2 = (2+2)(2-1)2 = 2 - nemoc Que 2+3 = [m=1]= lim 2000, 2000 = 2 = 1 = 1 = 2000 = 1

-2 - nouse 1 - or nonregue 3) l/m =+3 = - nouse  $e_{im} \frac{(2+3)(2-1)^m}{2(2+2)(2-1)^2} = |m=2| = e_{im} \frac{(2+3)(2-1)^2}{2(2+2)(2-1)^3}$ 23 = 1 - nouse 2-oro noprague 4) 2 = 00 4m  $\frac{2+3}{2-\infty}$   $\frac{2}{(2+2)(2-1)}$   $\frac{2}{2}$   $\frac{2}{2}$   $\frac{1}{2}$   $\frac{1}{2$ 8) f(e) = 22 1+23 lim == 1 - 310.7, 9) f(e) = 0= 1 ein tot = 1 - 4.0.7.



