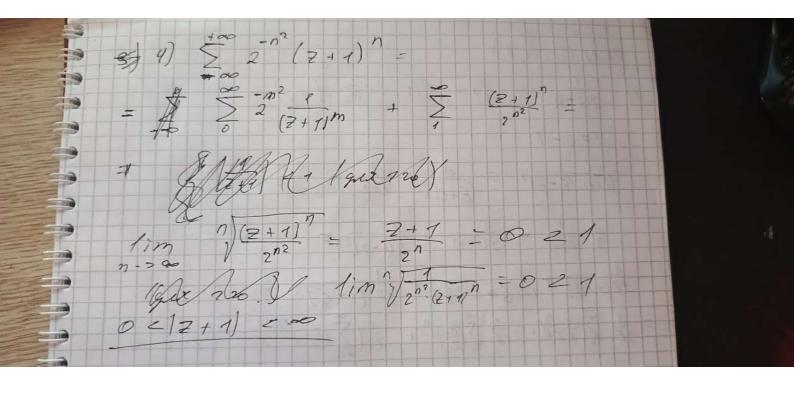
1 1 2 - 1 es 1 3) sin 3/2 (a=0) (sin =) A - = ayy. 19.15 $= \frac{(1+(1-E)_5)_5}{(1+3_5)_5} = ($ = (4+ 28)2 2) $C = \frac{1}{5!} = \frac{2!}{5!} = \frac{2!}{5!}$ (1- 20 + 29 + ...) (1 + (22 - 21 - ...) + (....) + + 17 K - Marroe 120 rojulgha; = + 11 K - mym (-) = 2 Z = 0; = 1 + 23 / 2 Z = 51 K - nym. Z fg 2 = 3=2-2 1-21 + 21 (3+ 1). 1 (1- 21+ 41)...) (1+ (31 - 37) H (\$ + 2) C 69 23 =)= 2 32

2 / 2 / n 3m 1 2m $\left(\frac{2}{3}\right)$ $\frac{2}{5} \left(\frac{2}{3} \right)^{n} \frac{1}{5} \frac{|2|}{|2|} \frac{1}{2}$ 12/2/23



1) z(z-3)2 (a=1; D: 12/2-1/2) (E+1) (E-2)2 - (E+1) + E-2 + (E-2)2 3E(1+ =) + 18(= 1 - =) + 12(1- =) 2 $= \frac{1}{9E} \sum_{e=0}^{1} \frac{1}{E} \frac{1}{$ 2) 5) 1 2(2-1)(2-2) = 22 + 2(2-2) - (2-1) 1 + 1 / (1-2) + - 2 (1-1) -- 1 = (2, n - 5 (1/2) $\frac{2^{3}(3(2-2)-3(2+0)-3(2+0)-3(2+1)-2(2-1)^{3}}{3(2+0)-3(2+0)-3(2+0)-3(2+0)}$ + E-3 ELE-8, (Cs) Z-3 5 3 0+1 1-6-2(3)

212-8) 36(4- t) = 2 t + 5 = + + - 5 = -1 - 2 += = 3t - B + 19 t + \(\frac{\xi}{3^{n+2}} - \left(\frac{\xi}{3}\right) + \frac{\xi}{3^{n-1}} E 3 (= 2+1) 8) $\frac{1}{(z^2-1)(z^2+4)} = \frac{1}{5}(\frac{1}{z^2-1} - \frac{1}{z^2+4})$ $\frac{1}{z^{2}-1} = \frac{1}{z^{2}} = \frac{1}{z^{2}}$ $\frac{1}{(z^2-1)(z^2+4)} = \frac{1}{5} = \frac$ 1) = 3 = = = 3 + 22 + 1 = + 1 + \(\frac{2}{\tau} \) \[\frac{2}{\tau} \] 2) $z^2 \sin\left(\pi z^{+1}\right) = z^2 \sin\left(\pi + \frac{\pi}{2}\right) = -z^2 \sin\left(\frac{\pi}{2}\right)$ $= -2^2 \left(\frac{\Lambda}{2} - \frac{4}{2} \right)^{\frac{1}{3}} + \frac{4}{2^{\frac{1}{3}}} + \frac{1}{2^{\frac{1}{3}}} + \frac$

 $\frac{1}{2} = \frac{2}{(2+2)^2} = \frac{2}{(2+2)^2} = \frac{1}{(2+2)^2} = \frac{2}{(2+2)^2} = \frac{$ 2005 (22+22K) = (12 + 15K) -2 isih (12+2ak) (e morn. g.o 120 menas) = 7-20 il 3) $\frac{2-1}{\sin^2 2} = \frac{2-1}{2^2} = \frac{1}{2^2} = \frac{1}{2^$ $\frac{i\varepsilon^{2}}{(\varepsilon^{2}+2i\varepsilon)} = \frac{1}{(\varepsilon^{2}+2i\varepsilon)} =$ $(z+i)(z-i)^2$ (1+ib) (1-ib) (Z+1B)(Z-i6) (1+ei) · (1-ei) 2 (1 + iEB) (1= iEB) = 11+ie8) (1-ie8)

