

AUDZ_BURIC

38-74 stp

2. FJA. KOMPL. VAR.

sin (1+i), ln (-1), (i"), arcth(i)

 e^{2} , $T=2\pi i$, $e^{i+2\pi i}$ i e = e = cos 1 + i sin 1

Sin 2 = 2i (e12 - e2 cost = 1 (eit e

SIN

sin 2 + cos 2 - 17 Sim (Zn ± Zz) (NRIJED) shz= 1 (e2-e2) ch = 1 (e2+e2)

Sin(iz) = i Shz STR 72 -> SVE FJE TREBA ILI ZNAT ILI IZVEST NA STI)

COS (ix) = ch2 1200 NEXO 00 TH FORTULA BIT CE NA MI (2800A)

ODIONI la 12 SPED. SES

In 2 = lm 121 + i (arg 2+ 26 11)

GLAUNA VEIS. LOG. FIE JE ZA K=0

Lm 2 = 2 Lm 2 SUOSSIVA LOG. NE VIRISEDE

Lnillni

(20) 12 to vener mor porencisa

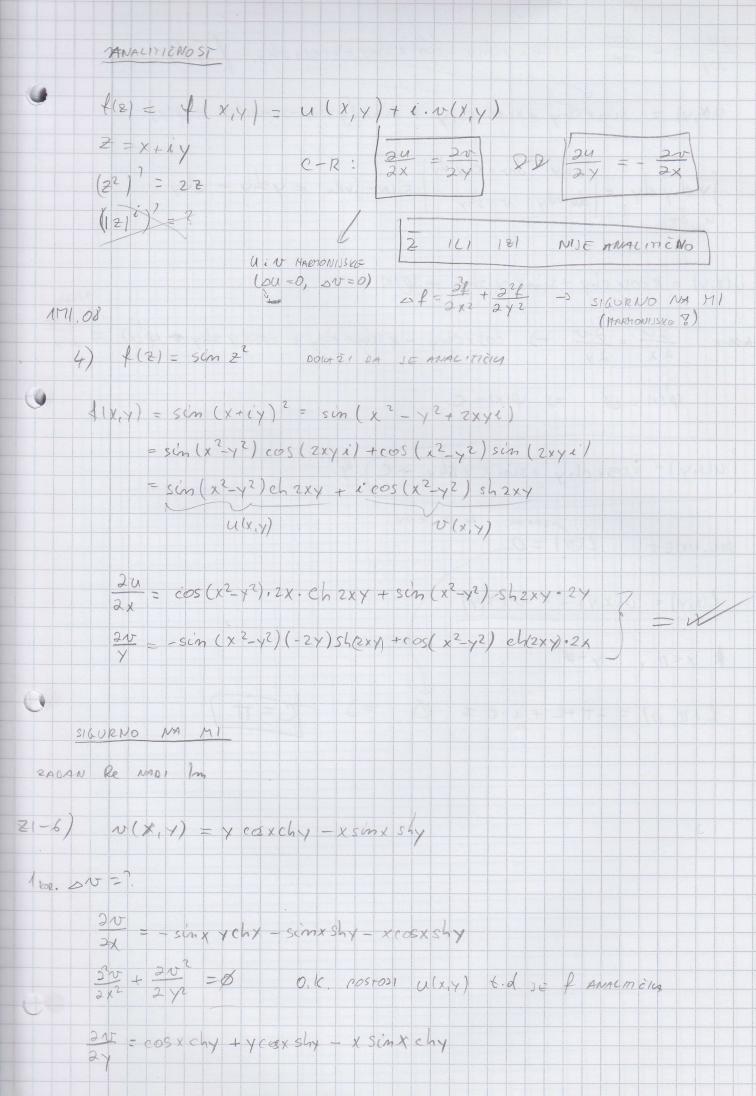
2 = e. Euspon FJA

21 & 21+82 VKIJ. SAMO (MOQUEE U MI 18400) C'E = Q 2A BAZU Q POGI. KNJIQU.

ZAN (3000A) 1tg (T+i) 1=? = sini i shi = i.thi $4(t+i) = \cos(t+i)$ $\sin(\cos t + \cos t + \sin t)$ $\cos(t+i) = \cos(t+i)$ 16 (11+i) = 1 i that = th1 i+ch = Ø RIJEŠI JEO. CAD) che = - i larch U compl. OBICAS TRIC FIA PISATI S VECILOR SLOVOM Anch = = Ln (2+Jz2-1) $2 = L_n(-i+J-1-1) = L_n(-i+J-2)$ $2 = L_n \left(-i \pm i \sqrt{2} \right) = L_n \left(i \left(-1 \pm \sqrt{2} \right) \right)$ 2 = lm ((1 + Jz) | + (ang (-1 + Jz) + 2 kT) 0 317 $2_1 = \ln\left(-1 + \sqrt{2}\right) + i\left(\frac{\pi}{2} + 2k\pi\right) \left(\frac{\pi}{2} + 2k\pi\right)$ == ln (-1-52/+ 1: (3/17 + 2/27) 1111,2008 2) (i') modul (Albon, Observ) (3 Boes)

i i l'hi i (htil+i(argi+2km)) = ($\frac{\pi}{2}$ +2km)

i = e = e (htil+i(argi+2km)) = e 1 more VEE le PA LORISTI $\left(e^{-\left(\frac{\pi}{2}+2\ln i\right)}\right)^{i}=e^{-\frac{\pi}{2}-2\ln i}$ $\left(\ln e^{-\frac{\pi}{2}-2\ln i}\right)$ $\left(\ln e^{-\frac{\pi}{2}-2\ln i}\right)$ DAJENEG BOBITT = e (-= -2 -2 = = $= \frac{-2 \operatorname{lm}}{e} \cdot \frac{i \left(-\frac{\pi}{2}\right) - 2 \operatorname{lm}}{e} \cdot \frac{1}{e} \cdot \frac{$



24 = - 2x = sinxychx +sinxshy +xcosxshy / Soly 2. KOR. ux, y) = sinx chy + xcosx chy + sinx &y shy -sinx thy + y(x) Jychydy = | u=y dw=chyoly | = ov-Judu = yshy-chy u(x,x) = x cosx chy + sinx x shy + Q(x) 3. Realist 24 = 25 -) cosxchy - xsinx chy + cosxy shy + cosxy $\varphi(x) = \emptyset$ => $\varphi(x) = C$ U(x, y) = x cosx chy + sin x y shx + c) By Re xx, lm->y POE. UNIET & (TT) = 0. f(x,y) = u(x,y) + i v(x,y)x=17, y=0 $f(\pi, 0) = -\pi + c + i \cdot 0 = 0 = 0$ f(x,y) = xcox chy + sinx y shy + TT + 1 y cosx chy - ixsinx shy PRILAZI RJ. U EKSPLICITNON OBLIGU £(Z) 12 LUCI DA DOBIS X +AY l(2)= (xxx) = cosxchy (x+ix) - isinxshy (x+iy) = (x+ix) [cosxcosiy - sinxsiniy] + T + 7 = (x+iy) cos(x+iy) + TT 12(2) = 2 cos 2 + TT P