$\frac{\partial u}{\partial x} = \frac{\partial u}{\partial x} =$ $||u||_{2} = e^{\alpha} ||u||_{2} + e^{\alpha} ||u||_{2}$ $\frac{-}{\begin{pmatrix} z \\ e \end{pmatrix}} = \frac{z}{e}, \quad \frac{de}{dt} = e; \quad e \cdot e = e; \quad \frac{z_1 + z_2}{2} = e$

 $e = \omega \implies z = ? \qquad \omega = 2 = 2 + 30$ $e = (C_5y + y + y + y) = p(C_5y + y + y + y) \implies \begin{cases} e^2 = p \\ c_1y = c_1y \\ c_2y = c_1y \\ c_3y = c_1y \\ c_1y = c_1y \\ c_2z \\ c_3z = c_1y \\ c_1z = c_1y \\$ 27 e + 3je²=0 = 2=? $\frac{1}{2} \left(e^{t} + 3j \right) = 0$ $e^{t} = 0$ $e^{t} = 3 \left[\cos \frac{\pi}{2} - j \sin \frac{\pi}{2} \right]$ $e^{t} = 3 \left[\cos \frac{\pi}{2} - j \sin \frac{\pi}{2} \right]$ $e^{t} = 3 \left[\cos \frac{\pi}{2} - j \sin \frac{\pi}{2} \right]$ $2 = (2 + 2\pi i)$ $2 = 2\pi i$ $2 = 2\pi i$ 2 =

 $Sniz = \frac{jz - jz}{e - e}, Csz = \frac{jz - jz}{2}$ · Chin alis informat (1/2 e cip) morning la sais vision - $\frac{d}{dz}(Smz) = Csz, \frac{d}{dz}Csz = -Smz$ · 1000-Smit = Smi(n+jy) = Smix Cohy + y Cosx Smhy Siha= == : U,,,,,,,,, u(x,y) Sun(gy)=jsnhg

· Vino UWILI Soul 2, t221 - Sviz, Co22 I Co2, Sviz2 (Colt, + Z21 = C54, C522 + Siz, Som Z2 · in le 2 211) de le vide Cost sont vide-100 52 = C2 3 SiZ = SmZ - 122 in in / wish Got , Sint - 1 00 , Sur Z 2,3 Cst |Suz|+|Sz|2+1 W. Li --: سرایع ها مراید. $\frac{z}{\sinh t} = \frac{z-z}{e-e}, \quad \sinh z = \frac{z-z}{c+e}$ Willer WIZ) bo SmhlwIZ) } · wedows . Sht , Sht * Shz = Shz , Suhz = Snhz *

5 mhz = Snhla+yyl = SnhnGy+yCshnSmy : Jwo) j' - j's $S = \frac{1}{2} =$ مولا ترابع عار رس. , Shihz c.1) - Iii · W/0 2719 6/1 15/1 0 0 12 0 0 1 2 Cht= Ch(n+yy) = Chn Gy-j sinh n Smy · Jvesici - cis Cohljy) = Coy o Snihljy) = jouhy · Wo Swa vi $W = Sm 2 \implies Sm W = 2$ fW = fW e = e = 2 fW = 2 fsetw _ a $u^{2}-2j\mathbf{Z}u-1=0$ $\rightarrow u=e=jz+l/(jz)^{2}+1=jz+(l-2)^{2}=$ == -jdnl-j2+(1-21/2) Jw = le[j2+(1-27) 1/2]

 $2 = |z|e^{j\phi} = re \implies W = \ln z = \ln[re^{j\phi}] \implies W = \ln[z] + j\phi$ $= W = \ln (x^2 + y^2)^2 + y \tan y + y = \lim_{N \to \infty} (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \tan y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \tan y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2)^2 + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln (x^2 + y^2)$ $W = \lim_{N \to \infty} y \ln (x^2 + y^2) + y \ln$ 20100 - 20100 - 2010 n lute lute Ln Z = lur + yo

1.
$$l_{1}(-1) = ?$$
 $\Rightarrow l_{1}(-1) = l_{1}(1e^{i\pi}) = l_{1} + j\pi = j\pi$ ((48)) $-di$

2. $l_{1}(j) = ?$ $\Rightarrow l_{1}(j) = l_{1}(1e^{i\pi}) = l_{1} + j\pi = j\pi$

3. $l_{1}(1+j) = ?$ $\Rightarrow l_{1}(1+j) = l_{1}(1e^{i\pi}) = l_{1}(1$

=100 lu (2/1) - lu 2, - lu 2, , lu 2,21 = lu 2, + lu 2, Providing $u_2 = \frac{1}{2} \frac{1}$ Su(214)= 1/2 lu (24) v (ny1 = tu //n $y = \frac{1}{x^2 + y^2}$, $y = \frac{-y}{x^2 + y^2}$ \longrightarrow $\begin{cases} u_x = v_y \\ u_y = -v_z \end{cases}$ bis [v, solir son constants] الذع الله عام الله عام الما والع مر در حقی منی نابولت استان در اری در فنع نعی کلی

*O = [lov. censer, 3 cidder lovis secin _ lovis prime 2 L LOSA+21T (13) -T < 03T U5060, po 0= d birdb, vingo 0=d ce la di cicolò l'ab d' 1000 m= lu(243) cus is bli - de (Real { Z+3 } \$ 0 => 1+3 < 0 => 2 < -3

5 - Whip |2|=2 MUM flz1= lu(2+3) vi come i die min ry o (2+21 Sm Z) (ハンノーン) 7.42=0=> 2=±\(\tau_2\) = ()\(\text{in}\) \(\text{in}\) - D'esseries ses 3 shift Sm 7 = 0 - 9 2 = KIT - 1/1/6/2= 0 dés $del_{2}+3)=)$ { $\chi(-3)$. — $\chi(-3)$. — $\chi(-3)$ Listopicol-10 - roo. 8-30 gus Blas6 pm W = Dul 2 + 21 $W = \ln(2^{2} + 2) \implies Im(2^{2} + 2) = 2xy + y = 0 \implies \begin{cases} x = -\frac{1}{2} \\ y = 0 \end{cases}$ $Rel \{2^{2} + 2\} = x^{2}y^{2} + x \le 0 \implies \begin{cases} 0 | || & y = 0 \end{cases} \implies x|x + || & x = -\frac{1}{2} \end{cases}$ $U(x) = x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x - y|^{2} - || & x = -\frac{1}{2} \implies ||x$ -y-1/4 < 0 = 1/2/0/20 D, Q, D,

reports 3x=--- poduli W Le Jewsewishi y=0 9-1,7230 i john on - jour $\frac{1}{2} \int_{\mathbb{R}^{2}} \int_{\mathbb{R}^$ is de visit on mois dus $V = I_{2}$ $W = I_{2}$ $V = I_{2}$ V = $\text{Rul}\{f[z]\} = \text{Ru}\{z^2 - 1\} = \text{N}^2 \text{y}^2 - 1 = 0 \implies \text{N}^2 - \text{y}^2 = 1$ $\text{Nul}\{f[z]\} = \text{Ru}\{z^2 - 1\} = \text{N}^2 \text{y}^2 - 1 = 0 \implies \text{N}^2 - \text{y}^2 = 1$ $\text{Nul}\{f[z]\} = \text{Nul}\{z^2 - 1\} = \text{Nul}\{z^2 - 1\} = 0 \implies \text{Nul}\{$

J's verdens 5 n²-y²= 1 ----مرار کی 2 ny>0 ---9 cerminal the con Jours Discord _____ $W=Z=\exp\{c\ln z\}=e=(e^{-1}z)^{-1}$ OF IN MOROWS & C. L. S. W. W. S. W. W. W. In emportant de de to 2 li Toutie de luz Ue ·wy Z colling! On De Silves in