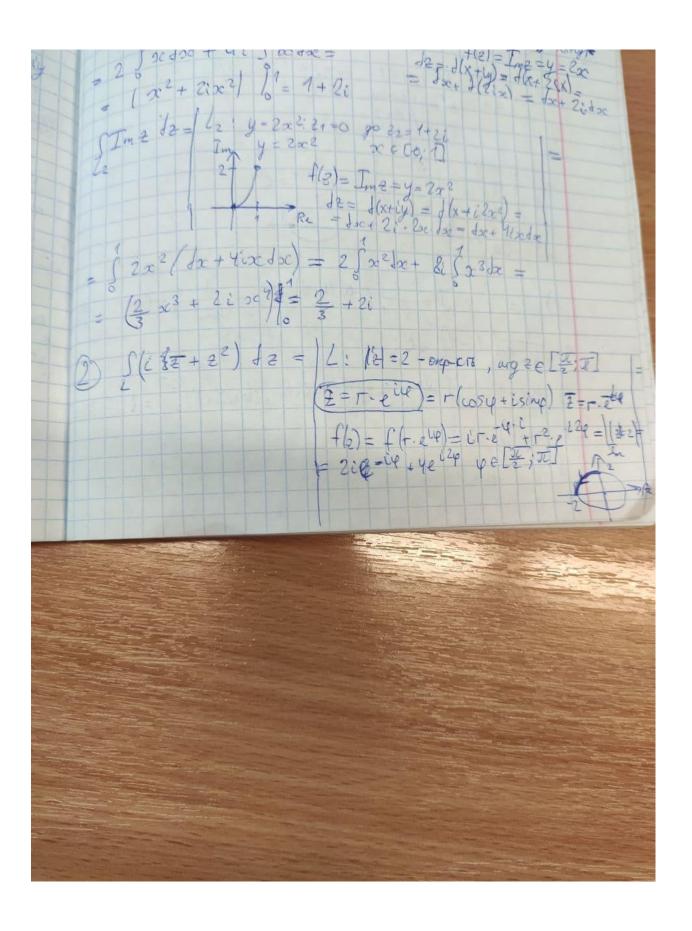
434. T. Borriaumo usimerpaire: S Sin 2 d2 = | 21 = 2 go Rate Totilo = Sarl x+ iy) they = (5in 2 12 = 511/20 - 2 dy + (4 dy + 2 de)

= [sin (x+iy) d(x+iy) = ((sin x cos(iy) + cos(x) sin(iy))) d x+iy

= [sin x cos(iy)] JUL Fm

The Barucaum unnergan no gagowate L 5 + (2) /2 = f (4 (xxy) + 2 2 (xxy) + (xxy) = 5 (4xy) + 2 (xxy) - 126xy) - 126xy) - 126xy) - 126xy) - 126xy) = 5 4 (x; y) dx - viz; y) dy +i 5 v(x; y) dx + 4(x; y) dy 1 I Im & de a) L: comperou coequer. T. 21=0 Le 2= 1+2:

Gil: gyra napascur y=2x2 om 2,20 persue SIm2 12 = | (45 07), 21=0, 22=1+26 | = 2 = 5 2x (dx+ 2idx) = = 2 Soctoc + 42 Soctoc = 1 x2 + 2ix2 / / = 1 + 2i = \$\frac{1}{2\pi^2 (\frac{1}{2} + 40\pi \frac{1}{2})} = 2\frac{1}{2}\pi^2 \frac{1}{2} + & \frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2}\frac{1}{2}\frac{1}{2} = \frac{1}{2}\frac{1}{2 = (2 23 + 2 i 20) = 2 + 2i 22) 12 = | L: 12 = 2 - expers, arg 2 € [== ;



 $R_{5} = 2.2.1 \text{ Star (i.e. 4.2e. 24)} = 4. \frac{1}{4} = 4$ = -250- 8 + 50 I (2 /2 x. 12, a) 1-oup. 121=1, arg 2 = [0,25] $\int 2^{K} d^{2} = \frac{L!}{2} \frac{|2|=1}{2^{K}-\text{anomin}} \frac{1}{2} e^{C}$ $\frac{L!}{2} \frac{|2|=1}{2^{K}-\text{anomin}} \frac{1}{2} e^{C}$ $\frac{|k|=-1}{2} \frac{1}{2} \frac{1}{2} e^{2}$ $= \begin{cases} 2^{k+1} & | 2\sqrt{x} \\ k+1 & = \\ 2\sqrt{x} & | 2\sqrt{x} \\ | 2\sqrt{x} & |$ 1) $k \neq -1$ $J = \frac{1}{k+1} \left(2 \epsilon_{\varphi} (u+v) \right) \left| 2 \sqrt{v} \right| = \frac{1}{k+1} \left(2 \sqrt{v} (u+v) - \frac{v}{v} \right) = \frac{1}{k+1} \left(1 - 1 \right) = 0$ 2) K=-1 & de = en 2/0 = en la + E(p+2JEK) /250 = \$ (2JE+25) · - 0 - 250W) = 25CE \$ = 2505

