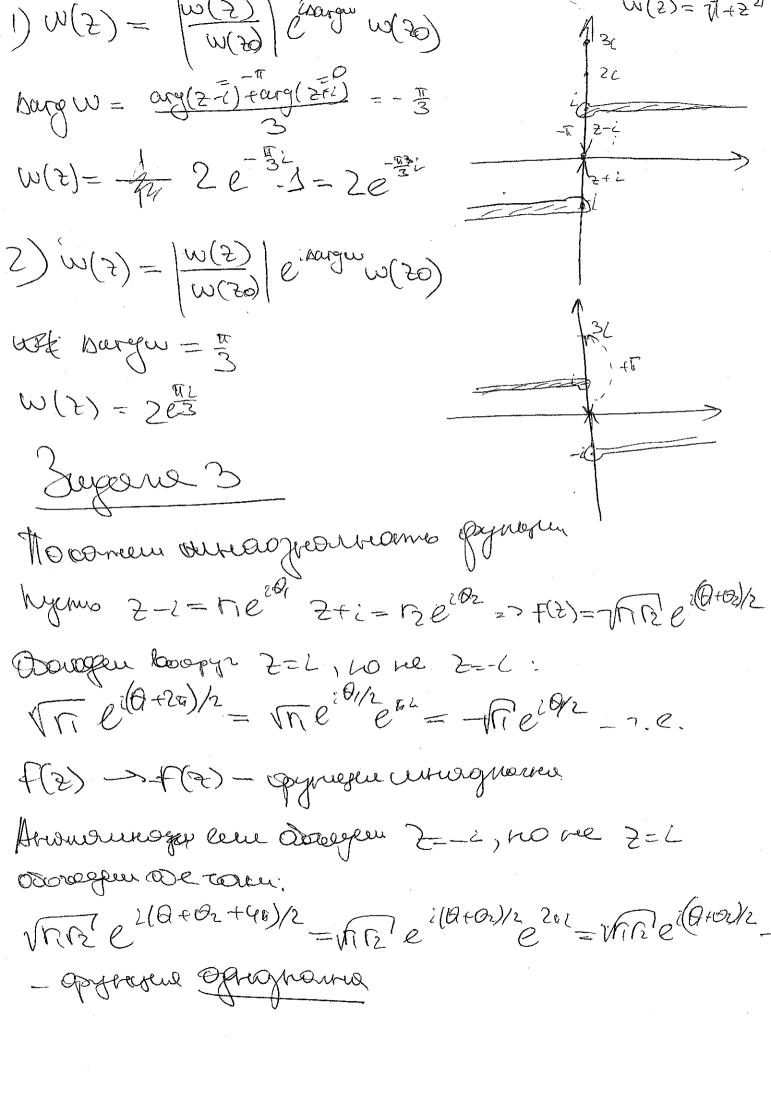
Lawyuc Y(-1) = 0 (17/3) $\Rightarrow \varphi(i)-3$ A(2)=3)5 $\varphi(l) = \frac{|\varphi(l)|}{|\varphi(-l)|} \varphi(l) e^{inargw}$ Dondon = I Darg Z=T; $\frac{|W(1)|}{|w(2)|} = 1$ $w(1) = e^{1/3}$ y(i+0) = 1 4(i+0) 14(i+0) e isangu = c 19/3 e 19/2 = e 50 = Darge = 30 ARgu = T 4(1) = C3 y (i-0) $\Delta arg 2 = -\frac{\pi}{6}$ 8) (n(1+-i0)=0 Pal 7-14:0 V((+i0) = 0+ (n) 1+0 / +i ang 2 Doug 2 = -2h $\varphi(-i) = O_{t} \ln \left| \frac{-i}{-i0} \right| + i \operatorname{arg} 2 = -\overline{2}i$

Degous 3 Off Bregge crecepons papper => mangen boner va Delegreemoenin Desta) = (1+2= 2/1+3/22 2 (1+1/222) = 1/2 [=-21. Res = 12 Iz= VI+22= | Bryzpu Dasanbesses reez |= 0 Pocemonpun Payopay a: F(4)=12-apreprio. coperes Opperenn Dorg(2+2) = 30 Dorg (2-2) = 2 => Aorg F = 6 f(-1) = 12e = -12 - people vogreogum Sugarage 4(5) = 5m(1-5)1-m 1) y(2) = | y(2) | · y(2) & = 0 (1-11) = 24. / (-1) eun = -24 eun 2) U(1) = IEB. 21 - EM = 2 the ign 3) I(2) = zur (1-2) Maggen francis opprøden max >> 2 (no generalizandes our)



2)
$$f(e^{2\pi i/4}) = \ln \left| \frac{1+e^{2}e^{2\pi i/2}}{\sqrt{2}} \right| + \frac{1}{2}\ln 2 + \frac{1}{2}\left(\frac{\pi}{6} + \frac{3\pi}{4}\cos\theta\right)$$

= πi^{2}

Now growshame $e^{2\pi i/4}$
 $= \ln \frac{1+e^{2}e^{2\pi i/2}}{\sqrt{2}} + \frac{1}{2}\ln 2 + \frac{1}{2}\left(\frac{\pi}{6} + \frac{3\pi}{4}\cos\theta\right)$

3) $f(e^{2\pi i/4}) = \ln \left| \frac{1+e^{2}e^{2\pi i/2}}{\sqrt{2}} \right| + \frac{1}{2}\ln 2 + \frac{1}{2}\left(-\frac{\pi}{6} - \frac{3\pi}{4}\right) = \pi$

3aefored

 $f(2) = \ln 2$; $f = \frac{1}{2} = 0$ has $f = -\ln \left| \frac{f}{f} \right| - \ln \left|$

$$F(2) = \frac{2^{2}(1+(12-261))}{1+(12-261)^{2}} = -2\frac{2^{2}(1-2\pi i+12)}{(2-2\pi)^{2}} = -2\frac{2^{2}(1-2\pi i+12)}{(2-2\pi)^{2}} = -2\left(\frac{2^{2}-4\pi^{2}+4\pi^{2}}{(2-2\pi)^{2}} + \frac{4\pi^{2}-4\sigma^{2}}{(2-2\pi)^{2}} - \frac{2^{2}}{(2-2\pi)^{2}}(1-2\pi i)\right) = -2\left(\frac{2^{2}-4\pi^{2}+4\pi^{2}}{(2-2\pi)^{2}} + \frac{4\pi^{2}-4\sigma^{2}}{(2-2\pi)^{2}} - \frac{2^{2}}{(2-2\pi)^{2}}(1-2\pi i)\right) = -2\left(1-i(2+2\pi)+\frac{1}{2-2\pi}(4\pi+4\pi^{2}i)+\dots\right)$$

$$F(2) = -6\pi(1+\pi i)$$

$$F(3) = -6\pi(1+\pi i)$$

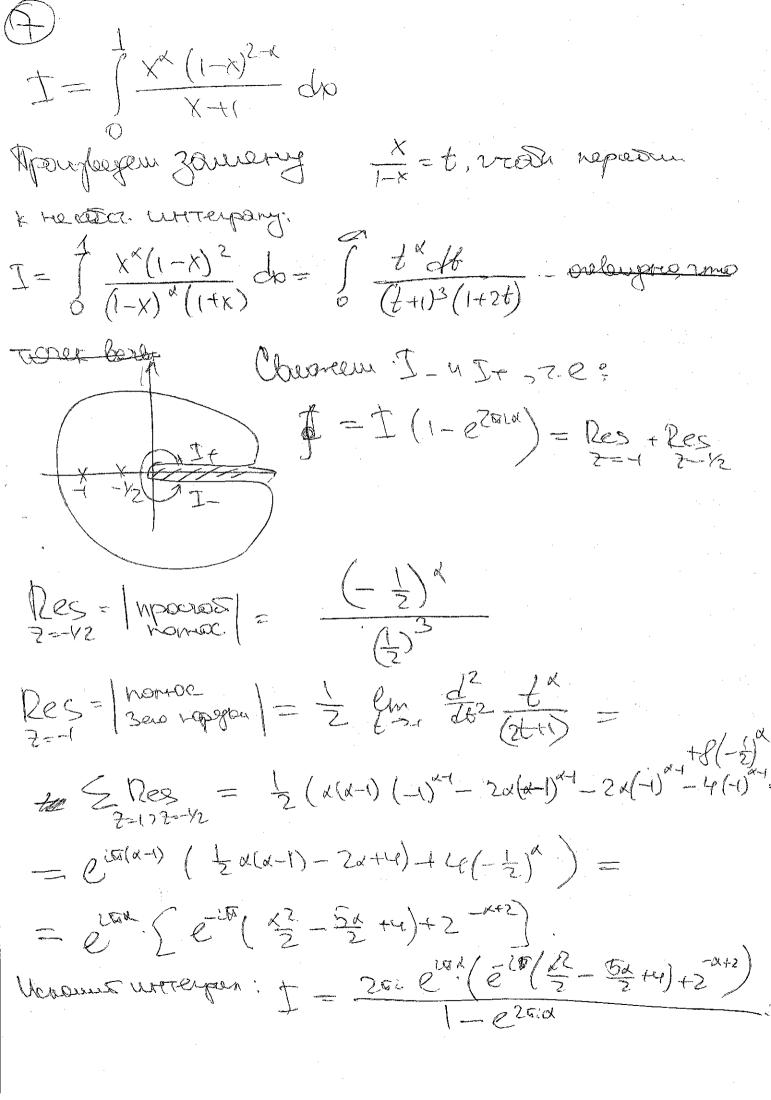
$$F(3) = -6\pi(1+\pi i)$$

$$F(4) = -6\pi(1+\pi i)$$

$$F(3) = -6\pi(1+\pi i)$$

C-3= -8[(+172-1)=-1602

Breympu morenypu I review Z = i - npaulos norroc $\int_{I+} I_{z+1} I_{z} = 2\pi z \operatorname{les}_{z=z} \frac{\operatorname{ln}(z)}{2i} = 2\pi z \frac{\operatorname{ln}(z)}{2i} = \frac{\pi^{2}}{2}$ 8) P=CnF(7) = g(20) + Cn/F(2) + 1, xargf = = (P(20) + iTT I3= I1+ in /0 do 1+x2 $\frac{\text{Tr}}{2} = I_1(1 + i \frac{dy}{dy}) \int_{1 + x^2}^{\infty} \frac{dy}{dx}$ $J_1 = \frac{112}{4} - \frac{117}{2} \int_0^2 \frac{db}{4^2 + 1} = \frac{112i}{4} - \frac{i}{2} \frac{1}{4} \frac{d}{d} = \frac{1}{2} \frac{1}{4} \frac{d}{d} = \frac{1}$ 一世(里一里(里一0)一0 Bagara 7 $\int = \int \frac{X+1}{X(1-X)_{S-q}} q^{2p}$



 $T = \int \frac{\ln x}{\sqrt{1 + 1}} dx$ t-= \$\frac{\lambda_{12} + 26L}{\frac{2}{2} + 12} = -T, 23 - 2016 TR 7--1- NONOC 2-010 $\frac{2^{3}-4^{3}-2^{3}}{2^{3}}=2^{3}(1-\frac{15}{3})$ Res = (lut) = lum Overace Corporano Jr = 2013 ranger 02= 4021 = I(1-e2013) - 2012 = 15 (1-515) t= (en(+x) do samerom +x=y. Mangrum: To Cht - (4+1+4) (4+1-2) (2) Chormen mercupon 6 accumpteres morrisonu: boylogen rorapugan 6 T Klingson, - Letti I + 48. To = 2014/2005+

