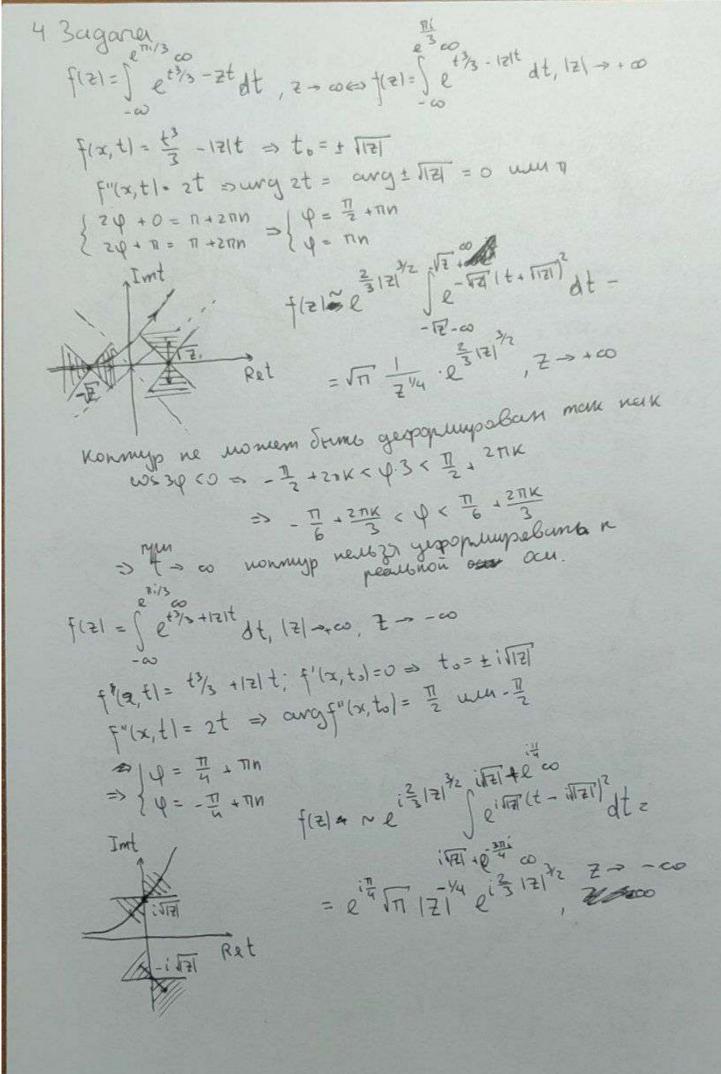
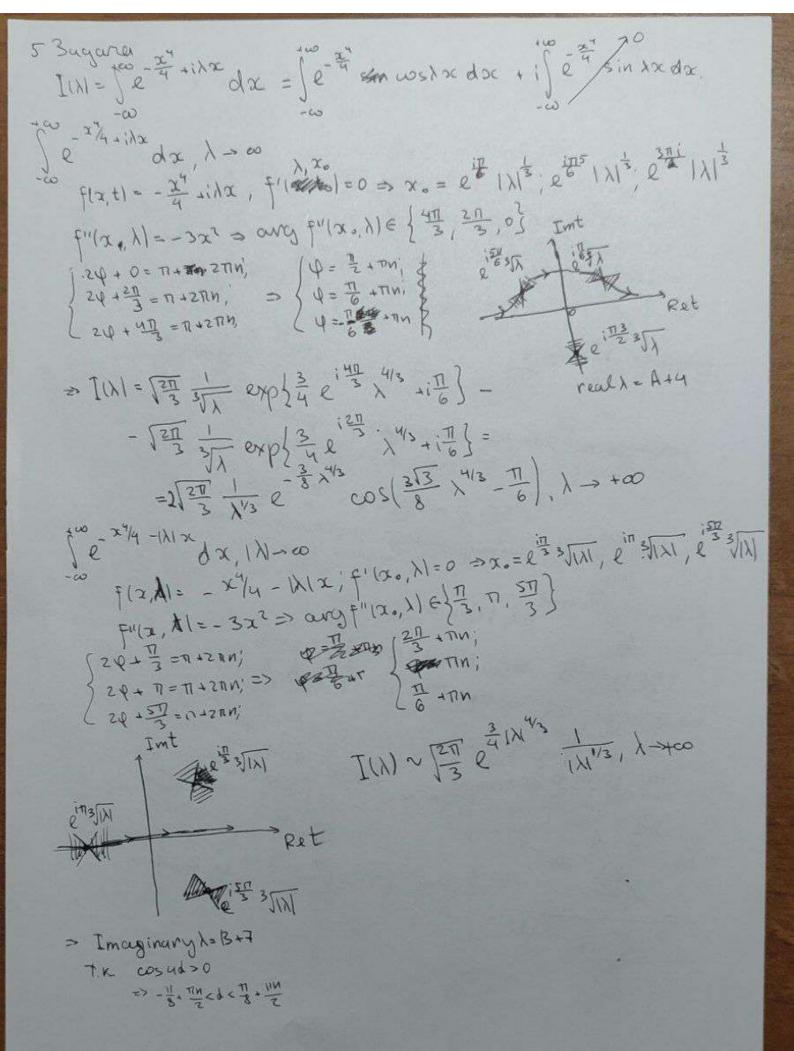
```
1. Bagana
                 Im(it-te)= const = Imt = const + 1/2
                Re exit-t2) = Re exi-Imt-Rett-timt2/cos/x(Ret-zRet Imt)
                       Imt = xy, Ret = x
                > Kpachly mund. nonmyp:
                                       y=0, Rete[-3,3] => Re ex(it-t2)=
                  e-xx2 cos(xx) => 1 pucynox
                         3 events x = \frac{1}{2} | x \in [-2, +2] => Re x \in [-2, +2] | x \in [-2, 
                                                                                                                                                                                         [ e-xx2 cos /x, x e[2;3]
                             y=0, x & [2,3]
                          Lepuda mus nonmyp!
                           e-1x2 wsxx, x [2,3]
                                          y=0, x e[2,3]
                ! Ygodinee Brown uch. Zenemmi nongryp. zpucynon

I(\lambda) = \int_{-3}^{2} \frac{e^{\lambda(it-t^2)}}{1+t^2} dt, f(t) = it-t^2 = \int_{-3}^{2} \frac{e^{\lambda(it-t^2)}}{1+t^2} dt, f(t) = it-t^2 = \int_{-3}^{2} \frac{e^{\lambda(it-t^2)}}{1+t^2} dt
                     Memoy Lamiaca gus IIII, $ 1 -+ co gaem!
                            I(x)~ 岩e~~jext-x)dt=岩中层
```

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2 Bugara too ilat+ 3 lat
                   Ref(x,t) = -\infty |t| sin \varphi - \frac{|t|^3}{3} sin 3 \varphi
                           ⇒ sin3中≥0 ⇒ 27111 < 3中< T+ZTIN⇒ 禁りく中くきょ望り
                                              ⇒中€[0,号]心[智,刑]何望,受]
                                f(x,t) = i(xt+ + + 3), f(x,t) = i(x+t2) = 0=> t= +i1x
                               f''(\alpha,t) = zit \Rightarrow cary f''(x,t) = arg(2 = zix) = n um 0
\lim_{z \to +\infty} f''(x,t) = arg(2 = zix) = n um 0
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\lim_{z \to +\infty} f''(x,t) = arg(2 = zix) = n um 0
\lim_{z \to +\infty
                                                                                                                                                                                                                                      => Ai(x) ~ = 1 -2/3 x3/2
           I Jeixt + 13 dt, x > - 00 = 1 Jeil+xt + t3/3) dt, x >>+00
          3 Bugara
               Refatl= # 1x11tl sing- 1tl3 sin34
          ⇒中€[0.号]以[号, 刑心[智, 翌]
                               f(x,t)=i(x-|x|t+\frac{t^3}{3}), f'(x,t)=i(-|x|+t^2)=0 \Rightarrow t_0=\pm |x|
                                    2\varphi + \frac{\pi}{2} = \pi + 2\pi n \Rightarrow q = -\frac{\pi}{4} + \pi n \Rightarrow a nontype D sububusumenty <math>\varphi = -\frac{\pi}{4} + \pi n \Rightarrow a nontype D sububusumenty <math>\varphi = -\frac{\pi}{4} + \pi n \Rightarrow a nontype D sububusumenty <math>\varphi = -\frac{\pi}{4} + \pi n \Rightarrow a nontype D sububusumenty subusumenty <math>\varphi = -\frac{\pi}{4} + \pi n \Rightarrow a nontype D sububusumenty subusumenty s
                                                                                                                                                                                                                                                                         61 Konnyo A noystogum
gus o'yeuru ummeriparia
nemoyeu laniaca
                                                                                                                                                                                    Ret Ai(x)~ 21 (2-13 12) 2 eit In 121"+
                                                                                                                                                                                                                  + 213/12/2 214 511/254) =>
                                                                                                                                                                                                 > Ai(x)~ (05(2) x12-1)
```





6 Bagara F(x) = 10 (141/2) 2-494 = - [(=) + [(-=)] = [] > IUI~ = x= e-4x, x→+00 F(x)= \$ (1+12) [(1+y) 2-2ix -1] # 4yix e > dy+ = \$\int \langle \langl J cooquemes repur Imocca! T(2xix) weem newout i(2+n);

7 Sagana I(1) = Scos(hosx) sinx dx = Re Jein wax sinx dx, 1 = too f(x)=icosx, f'(x)=0= x=nn, n=Z  $f''(x) = -i\omega sx \Rightarrow ang f''(x_0) = \begin{cases} \pi/2, n = 2x + 1, x \in \mathbb{Z} \\ \frac{3\pi}{2}, n = 2x, x \in \mathbb{Z} \end{cases}$ | 24+== 17+271N => | 4==+71N | 24+3=17+271N => | 4==+71N IWI ~ Re[e'2-14 [2]]= = = (27 LOS () - 74 ) /> 100 2-2n pot Dis barucieums bropoù nomabus nous neobriogenio greems Jecunerine memberno ceget > I() ~ Re & Sexusx sinxdx = [e-il-1] = x-Tin] = = Re \( \frac{1}{2} \) \( \frac{1}{4} \) \( \fra = 1-t2= (-17 ws/e-11-117]= ... = \* ~ \$ | 375 sin(h-7) \$ , h -> +00