丁(を)は発展の定義を 複集平面に抗活に関数、

「自動は要笑をもたす。」 原長と自の整度に一体の本面を持つ ResCP, -n)=(-1)が

$$\begin{array}{lll}
& = \sum_{n=0}^{\infty} \sqrt{\frac{1}{n}} & = \sum_{n=0}$$

$$D \left[ \frac{1}{(2)} = \lim_{N \to \infty} \frac{N^2 \cdot N!}{\prod_{k=0}^{N} (2+k)} \right]$$

$$F(z+1) = \int_{0}^{\infty} t^{z} \cdot e^{-t} dt$$

$$= \left[-t^{z} \cdot e^{-t}\right]_{0}^{\infty} + Z \int_{0}^{\infty} t^{z-1} e^{-t} dt$$

$$\frac{\Gamma(1)}{\Gamma(n+1)} = \int_{0}^{\infty} e^{-t} dt = \left[-e^{-t}\right]_{0}^{\infty} = 1$$

$$\Gamma(k) = \begin{cases} 0 & k-1 \\ y^{k-1} & e^{-y} dy \end{cases}$$

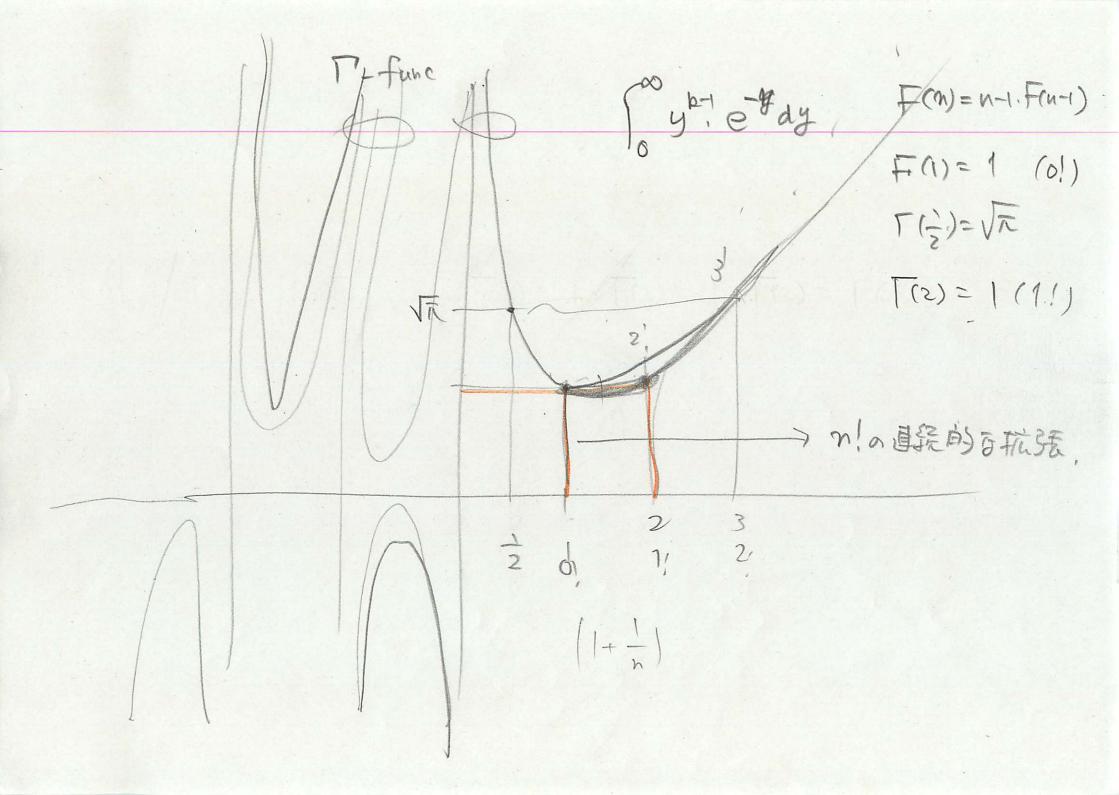
$$= 4 \frac{1}{2} \left[ \frac{y^{k-1}}{y^{k-2}} - \frac{y^{k-2}}{e^{-y}} \right] + \int (k-1)y^{k-2} - \frac{y}{dy}$$

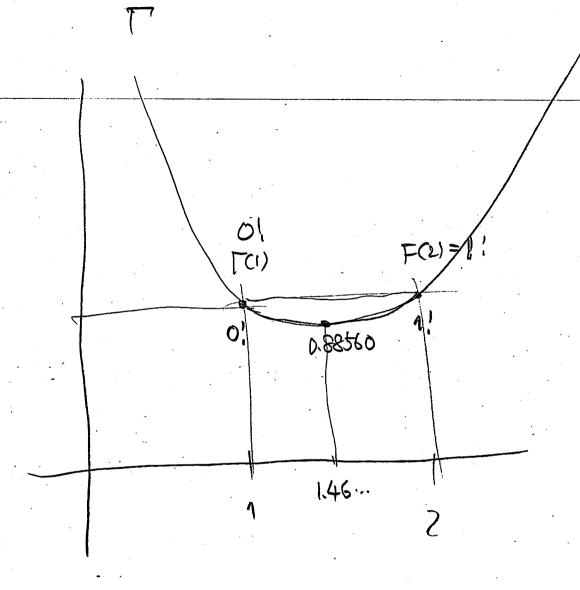
$$= (k-1) - (k-r)$$
  $yk-r-4$   $yk-r-4$   $yk-r-4$   $yk-r-4$ 

$$\Gamma(\frac{1}{n}) = \int_0^\infty y^{\frac{1}{n}-1} e^{-y} dy = \int_0^\infty z^{\frac{1}{n}-n} e^{-z^n} dz$$

$$y^{\frac{1}{n}} = 2 \quad y = 2^{n}$$

$$dy = n 2^{n-1} d 2$$





$$T'(r) = (r-1) - (r-n), F(r-n)$$

$$0 < r-n < 1$$

$$F(\frac{1}{2}) = \sqrt{2}$$
  $4 - 502$ 

$$F(\frac{1}{3})$$

r(cospany) Vzr(O)

$$\Gamma(\frac{1}{2}) = \int_{0}^{\infty} t^{-\frac{1}{2}} e^{-t} dt$$

$$t^{\frac{1}{2}} = u$$

$$\Gamma(n) = \int_0^\infty t^{n-1} e^{-t} dt$$

$$\left(\frac{1}{n} t^{m} e^{-t}\right) - \frac{1}{n} \int_0^t t^{n-1} e^{-t} dt$$

$$\left(-t^{n-1} e^{-t}\right) + \frac{1}{n} \int_0^t t^{n-1} e^{-t} dt$$

$$\frac{1}{2} \frac{1}{n} = \frac{1}{2} \frac{$$

7= rcos

- (2n + ym)

rn, cos d+ sind

M = 2m

a = 2 m fl

Jan y

(9(+y)(x2->1y+y2)

23-749+xx2 252-252+y3

$$L(\frac{\nu}{l}) = \nu \log_{100} G_{-50} dS$$

$$\int_{0}^{\infty} \int_{0}^{\infty} e^{-(x^{m}+y^{m})} dxdy = \int_{0}^{\infty} \int_{0}^{\infty$$

$$\int_{\infty}^{N=1} \frac{(N\lambda+1)N_{1}^{N}}{\left[-\sum_{i=1}^{N}\sum_{j=1}^{N}\sum_{j=1}^{N}\sum_{j=1}^{N}\sum_{i=1}^{N}\sum_{j=1}^$$

3.1= FOTO the tot M(1) = / 2001 = 1 dx

[7(0.01)=99.43258... [7(0.01)=0.994325...

$$\Gamma(3.1) = \int_{0}^{\infty} x^{2.1} e^{-x} dx$$

$$= \left[-x^{2.1} e^{-x}\right]_{0}^{\infty} + \int_{0}^{\infty} 2.1 \cdot x^{1.1} e^{-x} dx$$

$$= 2.1 \cdot \left[-x^{1.1} e^{-x}\right]_{0}^{\infty} + 1.1 \int_{0}^{\infty} x^{0.1} e^{-x} dx$$

$$= 2.1 \cdot 1.1 \cdot \Gamma(1.1)$$

$$\Gamma(1.1) = \int_{0}^{\infty} x^{10} e^{-x} dx \qquad x = t^{10}$$

$$C(1.1) = \int_{0}^{\infty} x^{10} e^{-x} dx \qquad x = t^{10}$$

$$= \int_{0}^{\infty} t \cdot e^{-t^{10}} \int_{0}^{\infty} dx$$

$$= \int_{0}^{\infty} t \cdot e^{-t^{10}} \int_{0}^{\infty} dx$$

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Se-(xiq yio) dray