3 c pane 5

$$|P| = e^{-2\cos 2q} = e^{-2(\cos^2 p - \sin^2 p)} = e^{-2\sqrt{2}}$$
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 $|P| = e^{-2\cos 2q} = e^{$

 $= \psi(x) = -x = \psi(x) = -\frac{x}{x}$

7.0.

$$N = xy$$
 $V = y^2 - x^2$
 $V = xy + i(y^2 - x^2) = xy + iy^2 + ix^2$
 $V = xy + i(y^2 - x^2) = xy + iy^2 + ix^2$
 $V = x^2 + iy$
 $V =$

24 4. 24+ 4.5x = 2x9+ + 4.5xy

Sugaral X=coy = 1 a) ydo-xdy y = sup = - de = -25 8) X=2+cosq y=2+sml No opre Poura 30 dz = detidy = (detidy)(x-14) = xx19 = (detidy)(x-14) = Sc ydr-xby = = = \(\frac{d^2}{2} = 7 = 2 + e^{i\text{y}} \) \(\frac{d^2 - i\text{y}e^{-i\text{y}}}{2} = \frac{d^2}{2} = \frac{d^2}{2} = 2 + e^{-i\text{y}} = \frac{d^2}{2} = i\text{y}e^{-i\text{y}} = \frac{d^2}{2} = i\text{y}e^{-i\text{y}}e^{-i\text{y}} = \frac{d^2}{2} = i\text{y}e^{-i\text{y} $= -\int \frac{ie^{i\varphi}}{2\pi e^{i\varphi}} d\varphi = -\ln(2\pi e^{i\varphi}) \frac{2\pi}{0}$ P(N) = Zac & dzz -1-n fl 1-7 p(1) = Zeri SC 47 2" - 1-2"

FOX= AGA 72 [4552] [1-55+54"] =1 -> W-2 a2=0 Sugar 2 $f(z) = \frac{1}{2(e^2-1)}$ lm _ >> 2. mg = = (= 1)2 Zagene 2 $\int_{-\varphi}^{\varphi} = \frac{\xi}{1-\xi}$ $S = \frac{\varepsilon(1 - \varepsilon^{n})}{1 - \varepsilon} \quad S' = \frac{n \varepsilon^{n+1} - (n+1) \varepsilon^{n} + 1}{(1 - \zeta)^{2}}$ S- 4 En (NE-14+1

2) F(2) = 2 (/2-0)

(20 = 1 = 7 = 2 : TAM

Bregann &
$$\frac{1}{1} \frac{(k-1q)}{(k-1q)} = \frac{1}{12} \frac{1}{12$$

Server 2 Pacemompu lm 2 = [= lm 2.exp(= 2) - (m 7 eap (22) 20 - upegete re upry. Sugarue 4 to 2?= 0 60 Z= JAN INOZ 1 wgg. Octo. zow bryzpu * (2) kgz Konerypu => (= 200. nex(0) Bruga O: Ze2 = 3+22+ 33+-. Lan 22 = 22 + 3 + ... $\frac{2e^{2}}{6p^{2}} = \frac{2+2^{2}+\frac{2^{3}}{2}}{2^{2}+\frac{2^{6}}{3}} = (\frac{1}{2}+1+\frac{2}{2}) - \frac{1}{2}$ (= 2mi le e 1/2 sin 2 dz Ociobre Duce 2-0.

Howgen buer me demonden : Wz Ell sin w

Pay. happens:
$$\frac{1}{2} = 1 + \dots$$

$$\frac{1}{2} = \frac{1}{2} \left(\frac{1}{2} + \frac{2}{2} + \dots \right) = 2 = 1$$

$$\frac{C^2}{2^2} = \frac{1}{2^2} \left(\frac{1}{2} + \frac{2}{2} + \dots \right) = 2 = 1$$

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$$\frac{C^$$

Resiz 6x5 = 6 x2 => J = 2x2 = 2 = 3

$$\int_{0}^{2\pi} \frac{1}{2\pi} \left[\frac{1}{4\pi} + \frac{1}{4\pi^{2}} + \frac{1}{4\pi^{2}} \right] = \frac{2\pi}{3}$$

$$\int_{0}^{2\pi} \frac{1}{4\pi^{2}} \left[\frac{1}{4\pi^{2}} + \frac{1}{4\pi^{2}} \right] = \frac{1}{4\pi^{2}} \left[\frac{1}{4\pi^{2}} + \frac{1}{4\pi^{2}} + \frac{1}{4\pi^{2}} \right] = \frac{1}{4\pi^{2}} \left[\frac{1}{4\pi^{2}} + \frac{1}{4\pi^{2}} +$$

Uz npeg. zagoa, bengres, zro Superab 6 beneud pobreur & => $\int_{C} \frac{2^{5}d^{2}}{2^{6}t^{1}}$ 2) & Rea = 1 =>] = 25i Bearing & Sinds X Sinas do = = = = | Smx=Inex | = $= \frac{1}{2} \text{Im} \int_{a}^{e^{2}} \frac{ke^{1}a^{2}de}{k^{2}+k^{2}}$ $= \frac{1}{2} \text{Im} \int_{a}^{e^{2}} \frac{ke^{1}a^{2}de}{k^{2}+k^{2}}$ X class = 2012 ikelaik = Ticak
Zik T = \frac{1}{2} Im (= \frac{1}{2} \text{ field} Bosyen cryme I = = E e lalk! Supla)

3explus 7 Ja XXXX do Ic =0 27 /zti- NAMOC > YCZparemoñe
poyprose =>]= rel = 2aio (- = i) SINh?() = - Ti. (-1/2 + 1/42 + e2) = = = = - TSINH? = = (1+ Geop2) 30 garage $\int_{0}^{\infty} \frac{\cos(x-b)}{(4x^{2})} dp$ Ja =0 J= res = 202 (-{2): cosh(2) = = Tr cosh 2 Bagara 10 10 x-sinp do = 5 x2 - (Sin> do) $\left(\frac{-x+2\ln x}{-x+2\ln x}\left(-9x\right)=-\frac{x_3}{(x-2mo)}q^6$

8) [= etdz Nyemo f=-2. [=] co +] co = 2015les = 1 = 201 (- il) = 103 Sugerus 4 $f(z) = z^2 \cos \frac{1}{72}$ z = 200 $\frac{2}{2} = \cos \frac{1}{2} \approx 1 - \frac{2^{2}}{2} + \frac{2^{4}}{210}$ 2->= +(元)= 23- 至 + 之92 Lyona & $f(z) = \frac{1}{7^3 - z^5} = \frac{1}{2^3 + \frac{1}{2}} - \frac{1}{2(2+1)}$ S Res = Res

$$\frac{3eponal}{f(a)} = \frac{Sin \frac{1}{2}}{1-2}$$

$$\frac{1-2}{1-2} + p_1 2 - s_1 = \frac{1-2^3}{3!} = 7 \text{ fres} = 1$$

$$g(a) = exp(-exp(\frac{1}{2}))$$

$$\frac{24}{1-2} = \frac{1}{2} = 7 \text{ fres} = 1$$

$$Resc_{2,0} = Resc_{2,0} = -\frac{1}{2}$$

$$\frac{3eponal}{2} = \frac{1}{2} = \frac{1}{2} = -\frac{1}{2}$$

$$\frac{3eponal}{2} = \frac{1}{2} = -\frac{1}{2}$$

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