No
Off = exposing
$$z = reig$$

If $|z| = R$ Ang $f = 0$
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2) Arg f= xy

$$\frac{\partial R}{\partial x} = \frac{\partial \Phi}{\partial y}$$
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f= w +iv 1) W= Q (x2-42) MARO DUEO ~= 6 (x,-2,) = 6(4) 1x,-2,=4 1 = 5 × 94 = 5 × 94 Pxx = 2 84 + 84.2x2 R = -50 8+ Range - 5 As 84, 4 = C, +C, tal W=112 = C, + Cr(2-y2) #1 G=a C2=6 $\frac{\partial u}{\partial x} = \frac{\partial v}{\partial y} =$ V = 2 xy (826) (2)-a+b(x2-y)+i2xy(600b) = a+622

F

$$\frac{qq}{dq} \left(\frac{1+4}{5} \right) + 56q = 0 = 3 \frac{d}{dq} = \frac{(1+4)^2}{5q} + 6 = 0$$

$$\frac{qq}{dq} \left(\frac{1+4}{5} \right) + 56q = 0 = 3 \frac{d}{dq} = \frac{(1+4)^2}{5q} + \frac{1}{26} \frac{d}{dq} = 0$$

$$\frac{qq}{dq} \left(\frac{1+4}{5} \right) + \frac{1}{26} \frac{qq}{dq} = 0$$

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$$\frac{qq}{q} \left(\frac{1}{4} \right) + \frac{1}{26}$$

$$V = -C_{1} \left(n \left(x^{2} + y^{2} \right) + C_{2} \left(x \right) \right) + C_{3} \left(x^{2} + y^{2} \right) + C_{4} \left(y \right)$$

$$V = -C_{1} \left(n \left(x^{2} + y^{2} \right) + C_{3} \left(y \right) \right)$$

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$$V = -C_{1} \left(n \left(x^{2} + y^{2} \right) + C_{2} \left(x^{2} + y^{2} \right) \right) + C_{3} \left(x^{2} + y^{2} \right) + C_{3} \left(n + y^{2} + y^{2} \right)$$

$$= C_{1} - \frac{1}{2} \frac{1}{4} \left(\ln \frac{2^{2}}{x^{2} + y^{2}} + \ln \left(x^{2} + y^{2} \right) \right) + C_{1} - C_{1} - \frac{1}{2} \ln \left(n + y^{2} + y^{2} \right) + C_{2} - C_{1} - C_{1} - C_{1} - C_{1} - C_{2} - C_{2} - C_{2} - C_{2} - C_{2} - C_{3} - C_{3} - C_{3} - C_{3} - C_{4} - C_{4$$

1) \frac{2}{2} = \frac{2}{2} \frac{1}{2} = \frac{1}{2} = \frac{1}{2} \frac{1}{2} = \frac{1}{ 21 g(Ldx ; Mdy) = SSO(3x - 3g) dxy=) => of 3dx - xds = fly 2xy 2xy dxdy = 30 -1 -1 + (xzedz) + (xzedz) gxgel 2 $\frac{1}{1-2k} = 1 + 2k + 22k + \dots$

\$ = 1 d = 2 m = 2

1 1-2k = (1+2+22+...) (1+22+...) (1+23.) T. C. seekyneb - Jyggm 5000 m.

7. C. seekyneb - Jyggm 5000 m. $+a_{n}z^{n}$ = $\int_{0}^{\infty} b_{1}z^{-1-n} + \int_{0}^{\infty} b_{2}z^{-1-n+2} + \int_{0}^{\infty} b_{3}z^{-1-n+2} + \dots$ renglable town Town = Jb x Z-1 P(1) = 12 - 2-5 - 575= (P(4) = 5 = 3 = 4k= 5 NII (NIO cm. tuske) $\frac{1+5_5}{1+5_5} = \frac{5_3}{1} (+55_5).$ +(5) = \frac{53+52}{1+525} = \frac{53}{1} · (1-22+24 = ...) 73 + 0 + 1 + + a-3=1 a) $J_{\kappa} = \int dz \, y'(z) = \int \frac{1}{2z} dz \, dz = \int \frac{1}{z} i \, dz = \int$



$$f\left(\frac{2}{5}\right) = \frac{5}{5}\left(1 - \frac{5}{7}\right) = \frac{5}{5}\left(1 + \frac{5}{7} + \frac{5}{5} + \cdots\right)$$

$$= \frac{2}{(2i)!(2i)!(2i-1)!(2i-1)!(2i-1)!(2i-1)!(2i-1)!(2i-1)!}$$

$$=\frac{2}{(2-i)(2+i)} = \frac{2}{2i(2-i)(4+\frac{2-i}{2i})} = \frac{2}{2-i} \cdot \frac{2}{2i} \cdot \frac{$$