Hanan Madan 20120163087 Petermine the analytic punch whose real pout is en(nosy -ysinzy) Ques 1 ern (91005 2y - your 2y) su = en ((coszy - 0) + 2e2n (ncoszy - ysinzy) = en cosy = e211 (con 2y + 2x con 2y - 2y sin 2y) = 0+(m,y) \$, (2,0) = e-22 (0) = 0 by milne thomson neith ad F(21 = (0,(2,0)dz, fbz(22,0)dz+c $= \int e^{2z} (i+2z) dz - 0 + C$ $=(1+2z)(e^{2z})-2(e^{2z})+(...$

Vs is given as $21/2+y^2$ $\frac{dV}{du} = (1 \cdot 5n^2 + y^2) - n(2y^2)$ $\frac{dV}{du} = \frac{2^2 - 22^2}{2^2} - \frac{1}{2^2}$

&v = -242/2 = D

 $\frac{\partial w}{\partial z} = 0 + \left(-\frac{1}{2}z\right)$

 $\left(\begin{array}{ccc} & & & & \\ & & & \\ & & & \\ \end{array} \right) = \begin{array}{cccc} & & & \\ & & & \\ & & & \\ \end{array}$

w = 0 i/2

 $f(2) = \frac{1}{2}$ (1+1) f(2) = f(7)

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