Badara 2 1 + 28 + 38 + 18 = 1 - 1  $S_{h} = \frac{\mathcal{L}(-1+q^{n})}{(1-q)} = S_{h} = -\frac{\mathcal{L}(-1+q^{n})}{q^{-1}} = \frac{\mathcal{L}(-1+2^{n})}{q^{-1}} = \frac{\mathcal{L}(-1+2^$ Sadara 3 1) Im 2 = 1 Z = x + vy  $w(z) = z^2 + 3z - i \longrightarrow (x + iy) + 3(x + iy) - i =$ = (x+iy)(x-y+2ixy) + 3x + 3iy-i == x - y x + 2ixy + ixy - iy - 2xy + 5x + 5iy - i = $= x - xy - 2xy^2 + 3x + i(3xy^2 + 3y - y^3 - 1) +$  $u = X(x - y^2 - y^2 + 3)$ Im 2 = 1 -> y = 1  $v = y(-y^{2} + 3x^{2} + 3) - 1$  $\frac{x^{3}-x-2x+3x+i(3x^{2}+3-1-1)}{x^{3}+i(3x^{2}+1)}$ 1-91-4-3×+3)-1-1 +y3 3xy +3y +2 =0 /x = day 34) 2) 12-1/=1  $W(\overline{z}) = \overline{z} - \lambda i \qquad \Rightarrow W(\overline{z}) = \overline{x} + y i - \lambda i \qquad = \overline{x} + (\lambda + y)^{\perp} \qquad y = 3ih \pm 1$  $u = \frac{x}{x^{2} + (y-2)^{2}}$   $u = \frac{\cos t}{\cos^{2}t + (\sin t - 2)^{2}} = \frac{\cos^{2}t}{\cos^{2}t + \sin^{2}t - 2\sin t} = \frac{1}{2(t - \sin t)}$   $u = \frac{y - 2}{x^{2} + (y - 2)^{2}}$   $u = \frac{\sin t - 1}{\cos^{2}t + (\sin t - 2)^{2}} = \frac{\sin t - 1}{2(1 - \sin t)} = \frac{1}{2}$