Badara 24 u= x +42)=0 1) W= x2+y2 · 2x =0 du du dy = do 11 = x = y = 1 = 1 xy 2) W - x = y = Lixy . 2x = 2x . -4y = 2yy = x2-y2 $\frac{x^{2}y^{2}-2x^{2}}{(x^{2}-y^{2})^{2}} = -\frac{x^{2}y^{2}-2y^{2}}{(x^{2}-y^{2})}$ 3) w - x + iy = x - iy = x - iy) - - 4 x 2 y 2 2 Xy = (-X) + 2 xy (x2-y2) = (-X) x2-y2 3adara 25 1) /4/= e 2005,190 $Z = te^{i\varphi}$ $w = \ln f = \ln |f| e^{i f r g f} = \ln |f| + i f r g f$ Rew Imw $u = \ln |f| = r^2 \cos 2 \varphi = \frac{1}{2} \sin \omega$) = argf = 111 = F2(as2 y - sin2) = x2-y2 $\frac{\partial u}{\partial x} = L \times = \frac{\partial v}{\partial y} \Rightarrow \frac{\partial x}{\partial y} + \frac{\partial y}{\partial y} + \frac{\partial y}{\partial$ 2) Arg f = xy