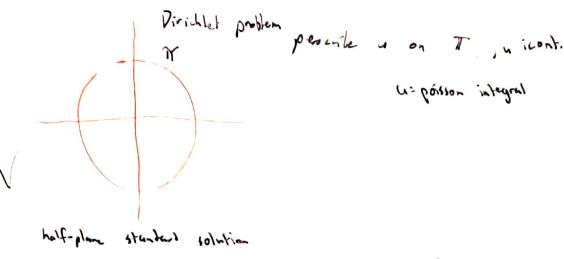
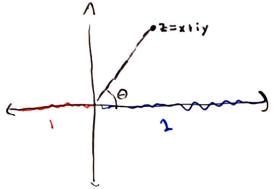
Week 4 pt 3## 4 (1) V: 4X V(x,1) = (00,0) v: Re[42] H complex potential is ((5) = as = ax + : (ah) if us is harmonic and use is harmonic are, there is still become expected flow horse from the Grot came use the transform マーマッラ real number a goes to AT a then it forms on the work cords you get this the Acya like reals H U:IH > R T(~) -> u(T(~)) p=u.T If us humanic and Tis conformal the NOT is harmonic so the complex potential becomes f(2)= d(2) a(xright xxig) = a(xxxxx) + ix(yxxxx)





u= = 0

recui 1203= 12 (1)+ i ang (3)

1 Loy(2)

Je= Re[inLog(z)]