## Math 564: Advance Analysis 1 Lecture 22

Ubergee diff for singular measures, For each 13 onel measure N on R? that's  
traile on compect sets, if 
$$M \perp \lambda$$
, then for  $\lambda - a.e. \times E(R^2, \frac{1}{N-n!ly} fixed in \frac{1}{R^2} \frac{$ 

Cor. let J' be any loc. finite Borel measure on IR. Then for A-a.e. x GR,

For (1), we have brich is 
$$\int = \int_{\infty}^{1} \int_{\infty}^{1} \int_{\infty}^{\infty} \int_{\infty$$