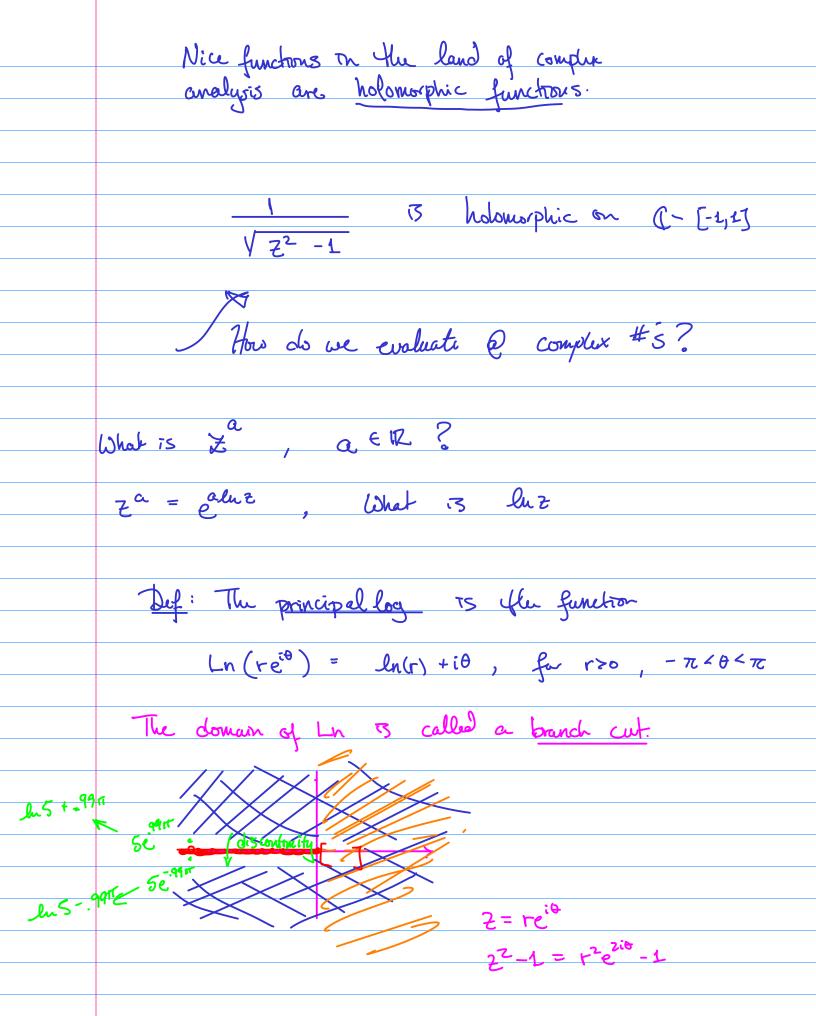
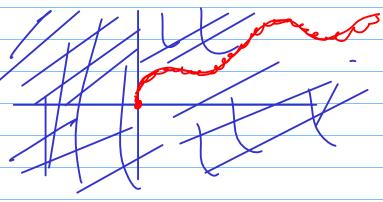
$$y' + f(x)y = 0$$
  $\{ p(a) = 0 \}$   $\{ p(a) = 0 \}$   $\{ p'(a) = -f(a)p(a) = 0 \}$ 



## Infrutely many different log functions, one for every branch cut!



$$i = 1 \cdot e$$

$$i = 1 \cdot e$$

$$-i = 1 \cdot e$$

$$= 1 \cdot e$$

$$= 1 \cdot e$$

Ln 7 log

$$\lim_{\epsilon \to 0} f(x+\epsilon;) = -\lim_{\epsilon \to 0} f(x-\epsilon;)$$

$$\frac{-1}{2^{2}-1} = \int_{2}^{-1} \ln(z^{2}-1)$$