## TRANSIENT 1-D CONDUCTION



- . TAKE A SLAB \_
- · PUT IT IN A \_\_\_\_\_

To, h



CONDUCTION ERH

BC# 1: @x=L

BC # Z: ex=-L

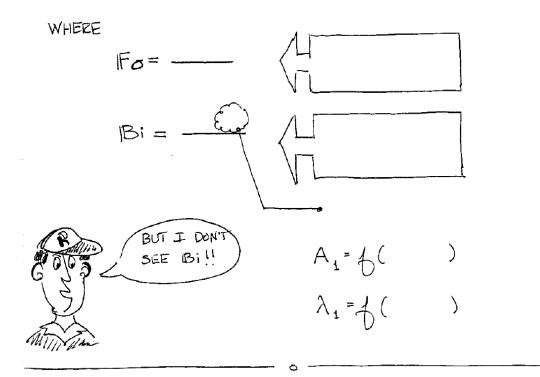
T(x, t=0) =

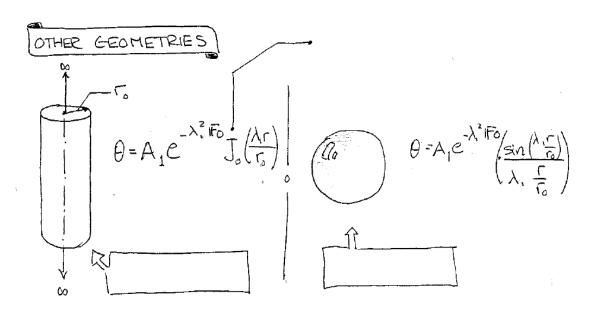
SOLVE BY SEPARATION & VARIABLES. USE \_\_\_\_\_\_
FOR CONSTANTS (FROM BC.S)

RESULT IN



 $\Theta(x,t) \equiv$ 



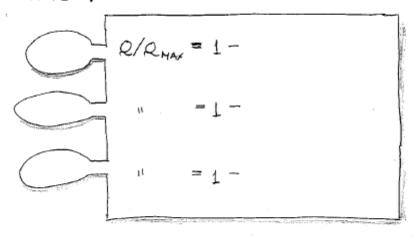




SINCE THIS IS \_\_\_\_ \* WE ARE LOOKING AT

LET'S FIND Q ( )

IN STEAD.



WHERE

AND