## 

## MA 16100 FALL 2022

DR. HOOD

f'(c) = 0 or f'(c)WARN IP Find the critical point(s) of the function  $f'(x) = (1)e^{-x} + (x)(-e^{-x})$  $f(x) = xe^{-x}$  $= (1-\chi)e^{-\chi}$ t deriv is defined *a*) x = 0On (-∞,∞) x = 1 $(1-\chi)e^{\chi} = 0$ *c*) x = eor C/ 1-72=0 d) There are no critical points

## ANNOUNCEMENTS

• Dr. Hood's Office Hours in Math 844

 $\odot$  Mon and Wed at 3:30-4:30pm

 $\odot$  Friday at 2:30-3:30pm

- TA's Office Hours in the <u>Math Resource Room</u> • WTHR 313
  - $\odot$  Mon Thu from 9:30am 8:30pm
  - Fri from 9:30am 3:30pm

## ANNOUNCEMENTS

- Last Drop Date
  - Deadline: Tuesday Oct 25 at 5pm
  - $\odot$  Last date to drop the class with a "W"

GOAL: Release Exam 2 scores by 5pm Mon Oct 24
o For most of the class (students who took the exam in person on Oct 18)



**POLL 2** On what interval is the graph concave up?

a) (0,2) b) (1,3) c) (-1,1)

