82) mean

THAYER SCHOOL OF ENGINEERING

ENGS 64

ELECTRONICS

EXAM 1 closed-book W181

(78)

- 1. READ THE DIRECTIONS:
- 2. The exam consists of 6 equally-weighted problems.
- 3. Operational amplifiers are ideal.
- 4. Do each problem in the space below the question (use reverse side of page if necessary).
- 5. To receive the credit due you, be neat and legible. Label your answers. (Be sure to show your work -- it's the approach employed that counts!)

ALL PROBLEMS CAN BE SOLVED WITH A MINIMUM OF MATH -- IF YOU FIND YOURSELF ENTANGLED IN ALGEBRA, YOU HAVE UNNECESSARILY COMPLICATED THE PROBLEM.

2 now we have 9000 4.61 "BEWARE OF THIS OLD CLICHE ! - WOS 1 = 0 after switch opened -DC current can't flow through a capacitor! 3 saturation occurs at max/mom current flow, which O certainly isn't El you seem on scope de curent where I = VcowsI flowerto caps it sure can flow! nate: \$ i=c do

 $: v = - \{ \text{inst} = \frac{Tt}{c} \}$