

# PROBLEM:

Evaluate the following and give the answer in rectangular form.

(a)  $j^{37}$

(b)  $e^{j(\pi/2+m\pi)}$  ( $m$  an integer)

(c)  $j^{1/5}$  (find 5 answers)

(d)  $(1-j)^{1+j}$  (is the answer unique?)