

Jan 13, 1999

ECE 460- Quiz #1

Name:

Honor Code:

Instructions: *Legibly* write your name above, and write/sign the honor code pledge. Work will not be accepted without the honor code prominently displayed and signed.

Work the following problems in the time allotted. Show your steps clearly and readably if you wish to have partial credit assigned for incorrect answers. Attach additional worksheets, if necessary.

1. Write $(4+2j)$ in exponential form.

Answer -> $4.4721e^{j26.56^\circ}$

2. Write $4.7e^{j42^\circ}$ in rectangular form.

Answer-> $3.4928 + j3.1449$

3. Plot the following complex numbers in the s-plane. Label your axes.

a. $-7-2j$

b. $4.2e^{j47^\circ}$

