ECE 311 - Homework #5

Complex Power

1) Determine the voltage, current, impedance, and power for the following

	Voltage	Current	Impedance	Power
a)	10 + j20	30 + j40		
b)	10 + j20		30 + j30	
c)	10 + j20			30 + j40
d)			10 + j20	30 + j40

2) Determine the voltage, current, impedance, and power for the following

	Voltage	Current	Impedance	Power
a)	$10\angle 20^0$	$30\angle 40^0$		
b)	$10\angle 20^0$		$30\angle 40^0$	
c)	$10\angle 20^0$			$30\angle 40^0$
d)			$10\angle 20^0$	$30\angle 40^0$