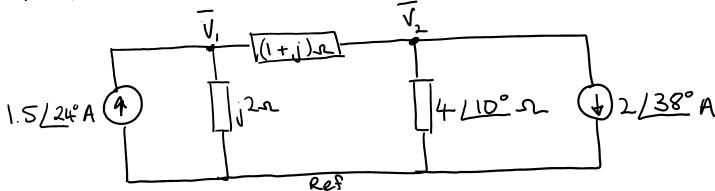
Name:	Student ID:
Pre-tutorial 7 Questions (to be	attempted before class on July 26th, 2019)
Chapter 10, Ex 33: Phasors	
	an operating frequency of 314 rad/s, calculate the phasor
voltage \mathbf{V} which appears across each of the a) A 2 Ω resistor.	e following when driven by the phasor current I = $10 \angle 0^{\circ}$ mA.
u) 772 12 1633501.	
1) 445 "	
b) A 1 F capacitor.	
c) A 1 H inductor.	
,	
d) A 2 Ω resistor in series with a 1 F ca	pacitor.

e) A 2 Ω resistor in series with a 1 H inductor.

Chapter 10, Ex 65: Source Transformations



For the circuit above, perform a source transformation on each source, simplify the resulting circuit as much as possible, and calculate the current flowing through the $(1 + j) \Omega$ impedance.