

**Homework 10**  
**EE 220 Circuits I Fall 2019**  
**Friday, November 22, 2019**

- 1) PP10.2
  - 2) 10.3 Hint: Draw phasor equivalent circuit and use phasor nodal analysis.
  - 3) 10.28 Hint: Draw phasor equivalent circuit and use phasor mesh analysis.
  - 4) 10.38
  - 5) 10.48
  - 6) 10.53 Hint: reduce circuit down to one source and two impedances.
  - 7) 10.60a Also, sketch the phasor Thevenin equivalent circuit.
  - 8) 10.63 Also, sketch the phasor Norton equivalent circuit.
- Express **all** phasors (e.g., currents and voltages) in polar form w/ angle in degrees.
  - Express **all** admittances and impedances in rectangular form.
  - Express **all** time-domain sinusoids using  $\cos()$  function.

**Due Monday, December 2, 2019.**