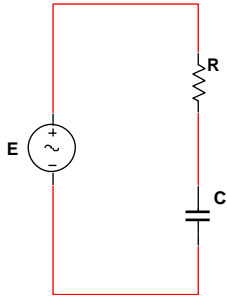
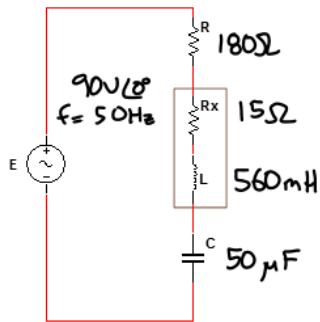


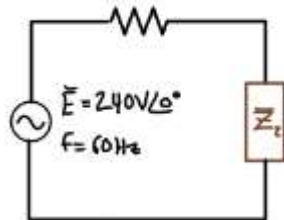
Power in Series AC Circuits (39:56)



Given $R = 240\Omega$, $C = 22\mu\text{F}$, and $E = 120\text{V} \angle 0^\circ$ at $f = 60\text{Hz}$, solve for voltage, current, apparent, real, and reactive power for each component and the complete circuit.



Given the above information solve for voltage, current, apparent, real, and reactive power for each component and the complete circuit.



Given the unknown resistor is experiencing an 80V drop and the complete circuit is consuming 700VA of apparent power at a lagging PF of .91 solve for the voltage, current, apparent, real, and reactive power for each component and the complete circuit.

CORRECTION AT 27:50 THE UNKNOWN INDUCTOR WILL HAVE AN INDUCTANCE OF 90.5mH