EE4226 - EXPERIMENT #1

LABORATORY PRACTICES, BASIC MEASUREMENTS, AND SAFETY

Lab Section: L02

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Name: Jacob Cox

Lab Partners: Mitch Marford
Sean James

Part 1: (Checkmark the meters you have)

2. Dual DC Voltmeter	X	Dual DC Ammeter	X
DC Volt/Ammeter	X		
Dual AC Voltmeter	X	AC Ammeter with CT	X
AC Volt/Ammeter	X	AC Wattmeter	X
Fluke 289 Multimeter	X		

Part 2:

7. V_{dc} = 90 Volts I_{dc} = 2.3 Amps I_{Clamp} = _____ Amps P_{dc} = 207 Watts

8. V_{dc} = 90 Volts, I_{dc} = 8.1 Amps, I_{Clamp} = _____ Amps P_{dc} = 729 Watts

Part 3:

12. V = 120 Volts I = 3.4 Amps I_{Clamp} = 3.5 Amps P = 46 Watts
p.f. = _____ (Inductive - LOAD)

13. V = 120 Volts I = 5.8 Amps I_{Clamp} = 5.8 Amps P = 563 Watts
p.f. = _____ (Resistive - Inductive - LOAD)

14. V = 120 Volts I = 4.8 Amps I_{Clamp} = 4.8 Amps P = 560 Watts
p.f. = _____ (Resistive - Inductive - Capacitive - LOAD)

2×30μF
3×150V