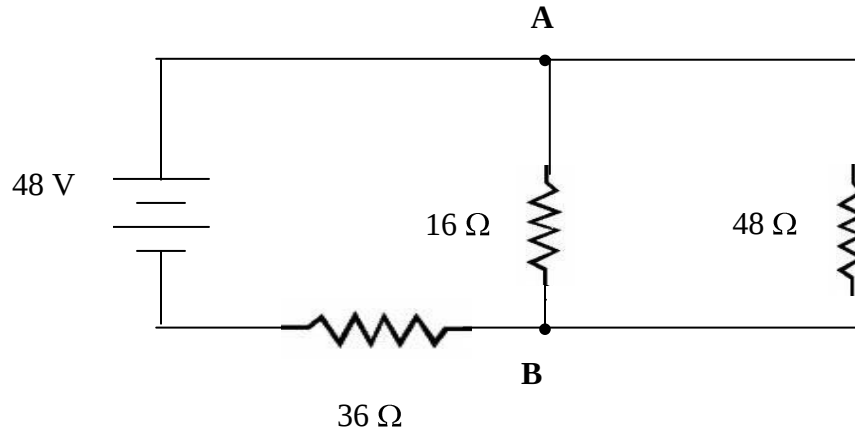
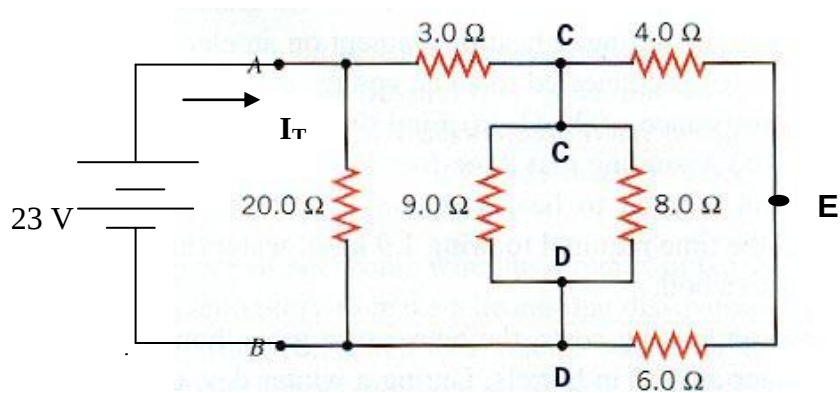


Physics10
Complex Circuits

OPTIONAL: Up to 19 coupons!



- a) Find R_{EQ} (1 cp)
- b) Calculate the Total Current. (1 cp)
- c) Calculate the voltage drop across the 16 Ω resistor. (1 cp)
- d) Calculate the voltage drop across the 36 Ω resistor. (1 cp)
- e) Calculate the current through the 48 Ω resistor. (1 cp)



- Find R_{EQ} (3 cps)
- Find the total current I_T (1 cp)
- What is the current through the 20 Ω resistor? (1 cp)
- What is the voltage between points C and D in the circuit? (2 cps)
- What is the current through the 9 Ω resistor? The 8 Ω resistor? (2 cps)
- What is the current through the 6 Ω resistor? The 4 Ω resistor? (2 cp)
- What is the voltage between points D and E? (3 cps)