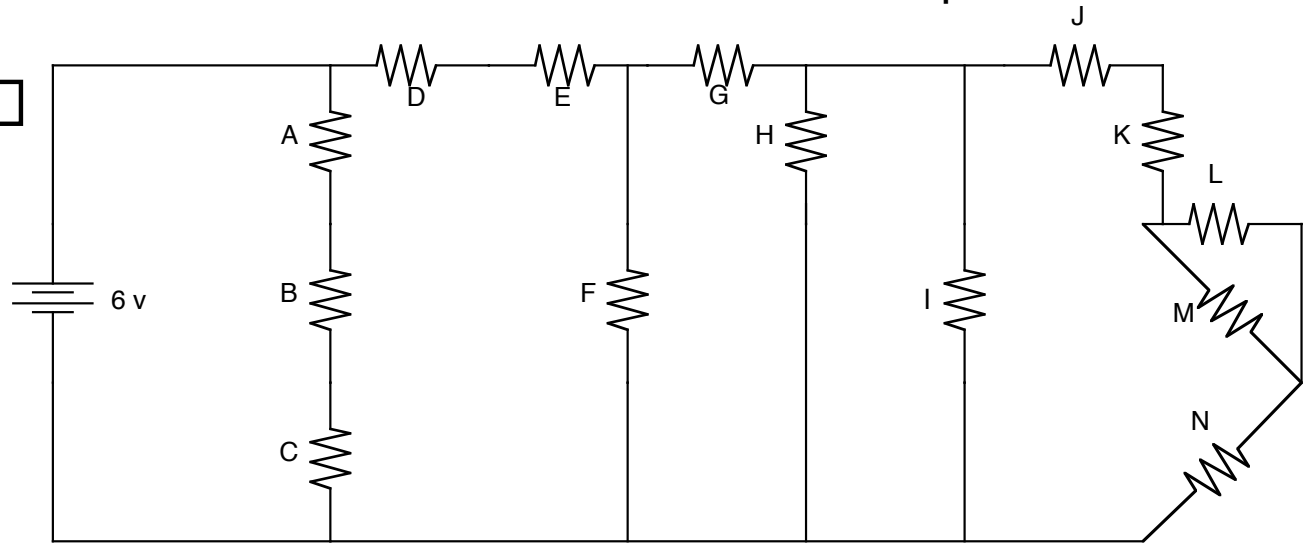
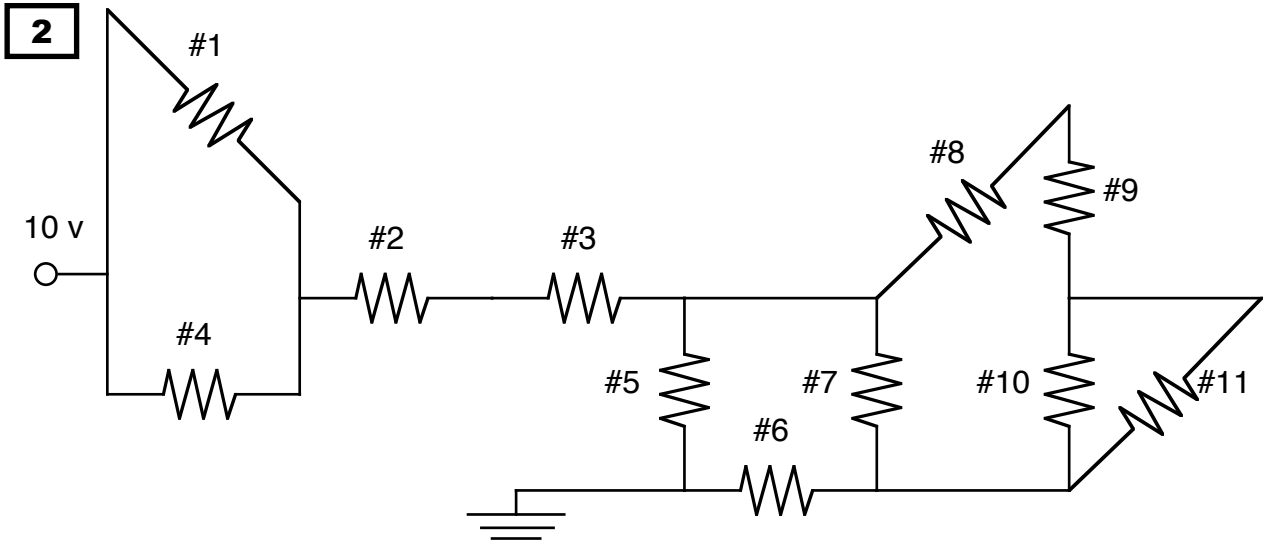
Which resistors are in series and which are in parallel?

1



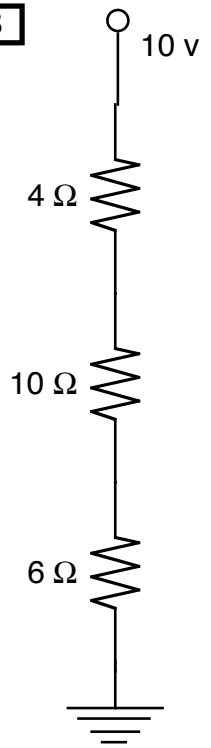
2



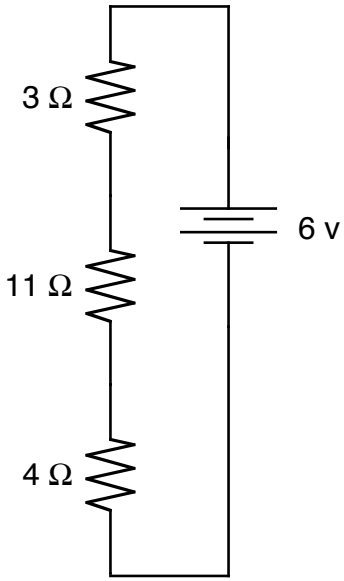
SERIES RESISTORS	PARALLEL RESISTORS

Equivalent Resistance for a Series Circuit

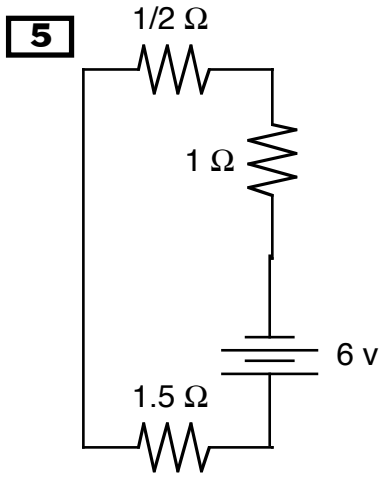
3



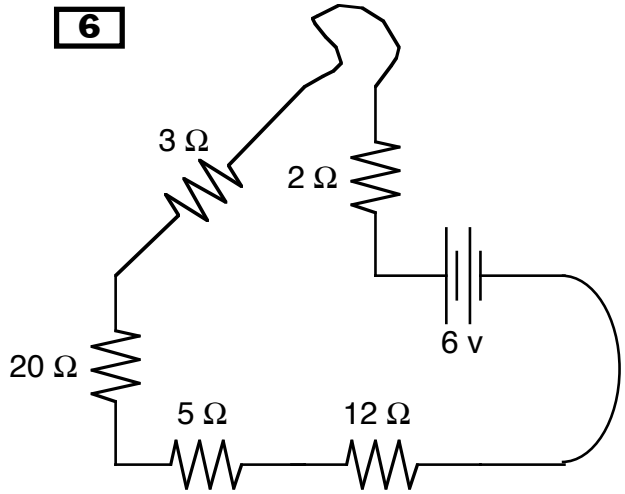
4



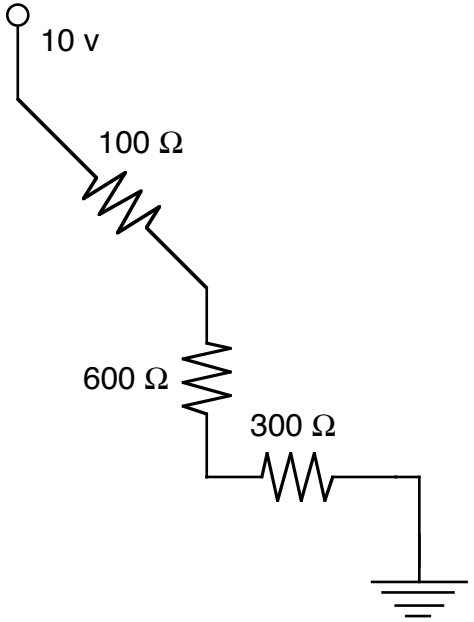
5



6

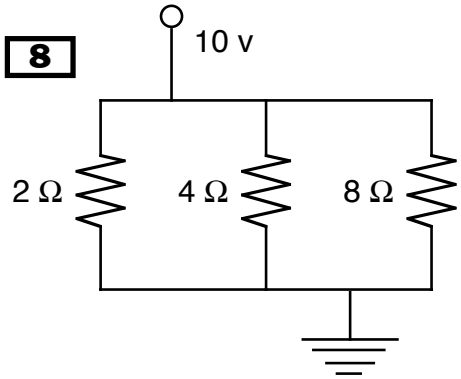


7

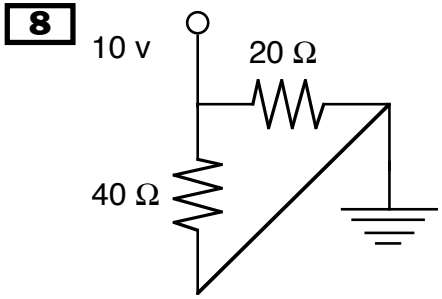


Equivalent Resistance for a Parallel Circuit

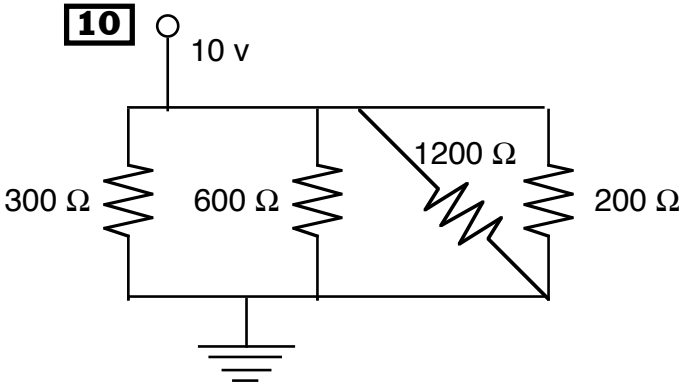
8



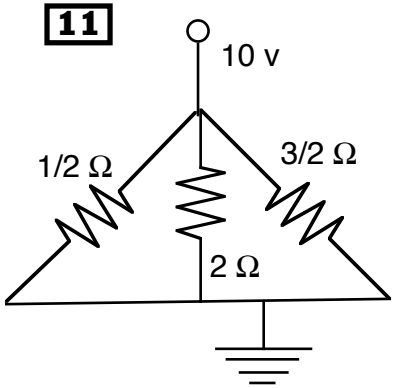
8



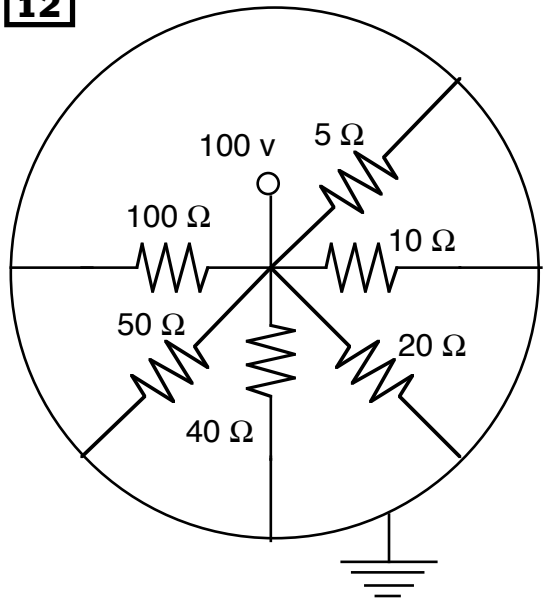
10



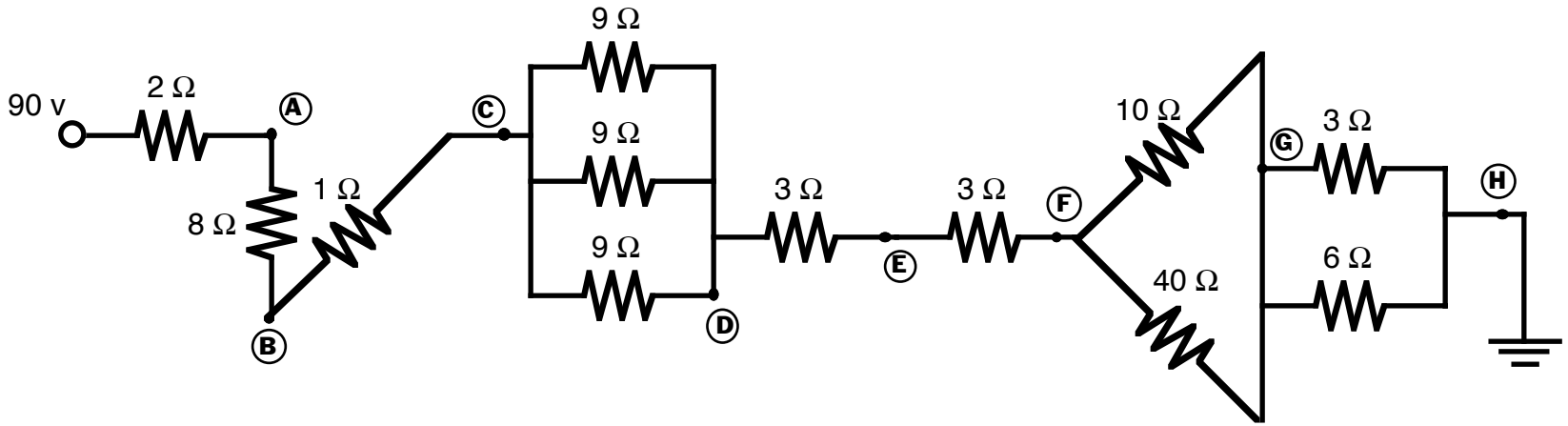
11



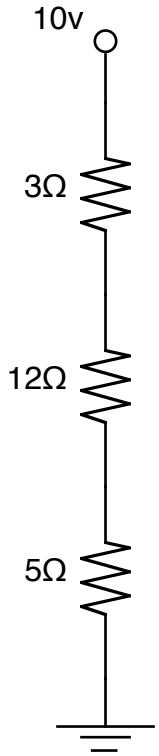
12



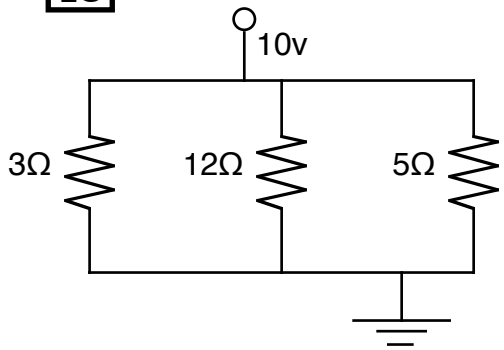
13



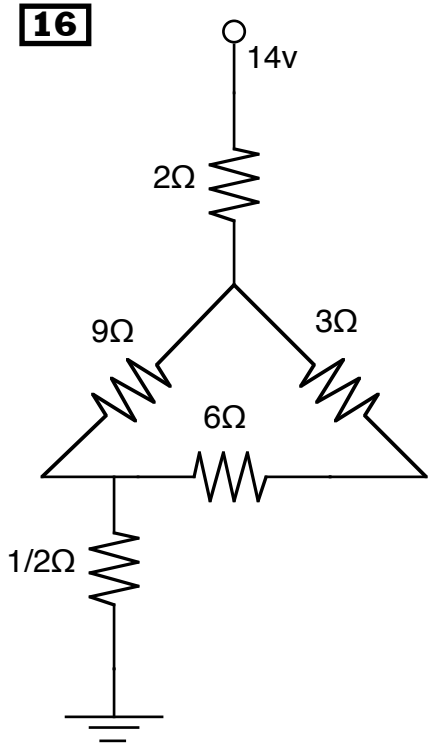
14



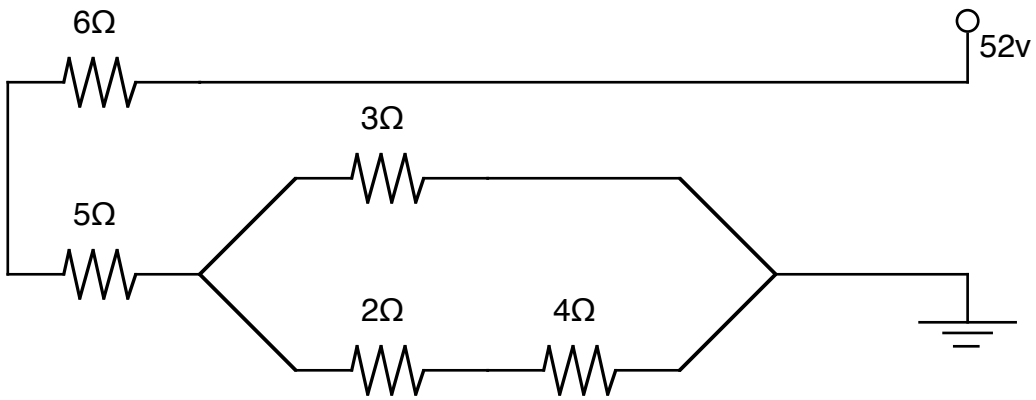
15



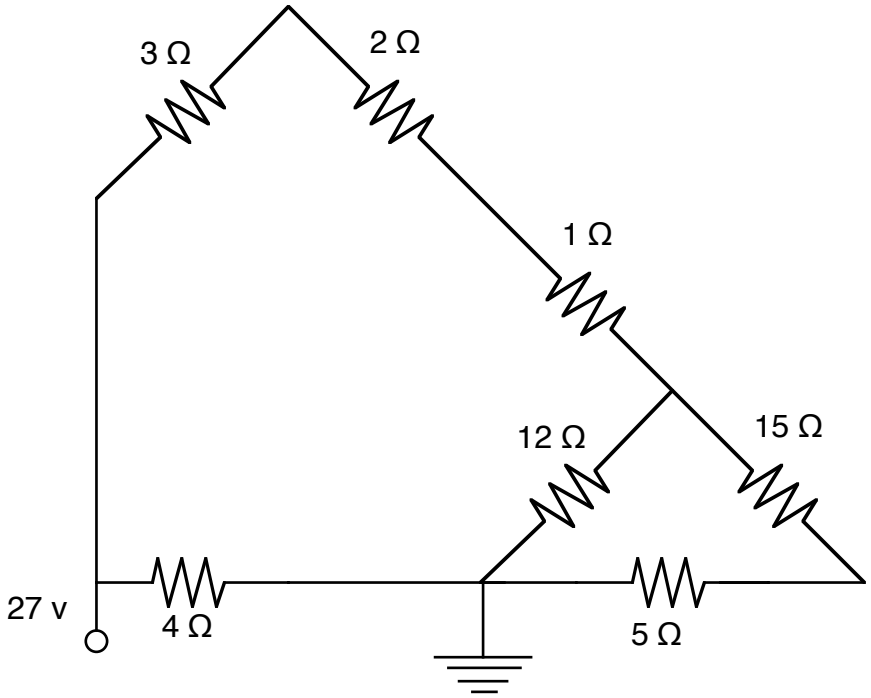
16



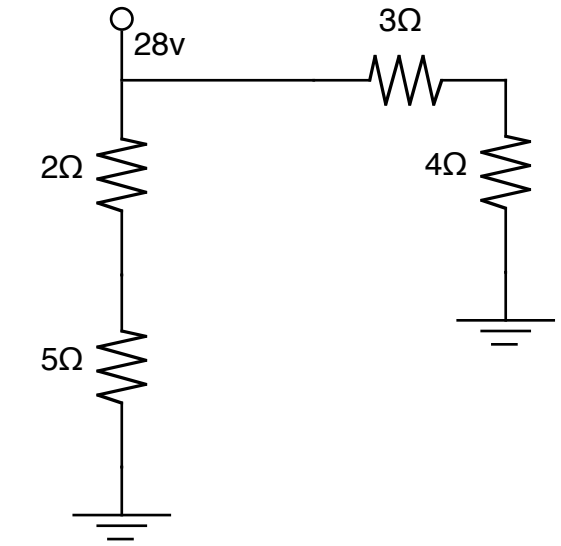
17



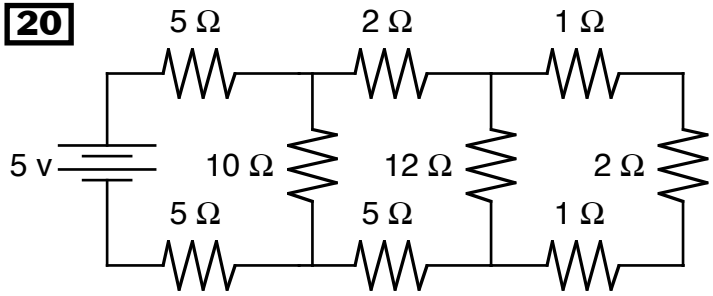
18



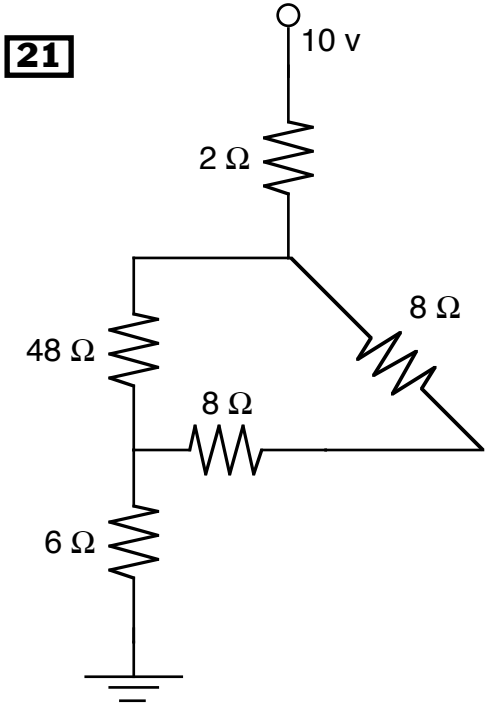
19



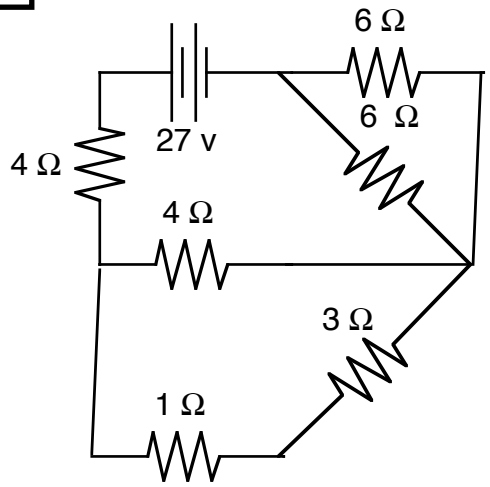
20



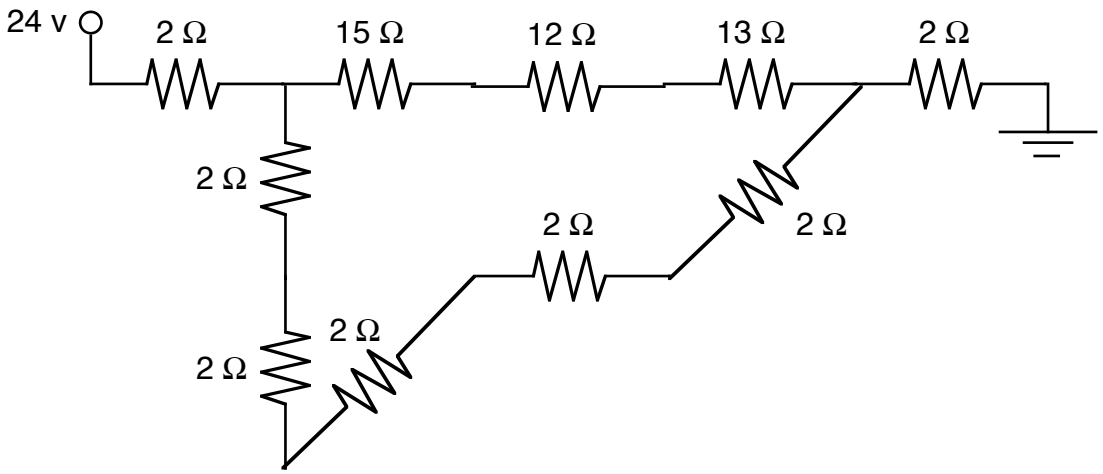
21



22

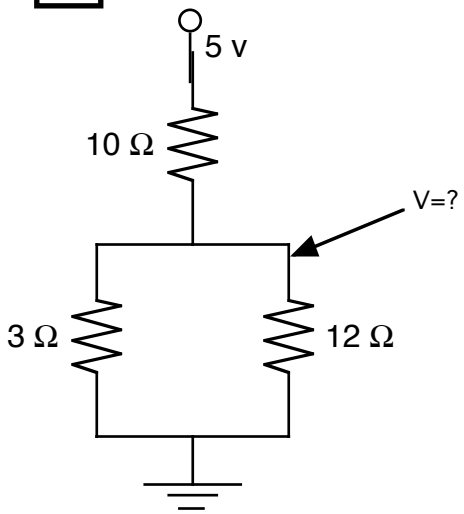


23

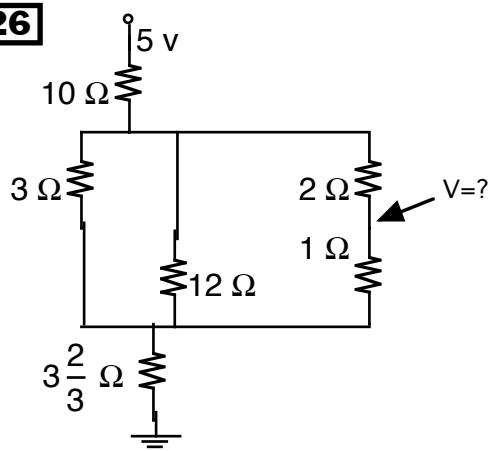


Calculate the circuit's total resistance
Find the voltage drop across and current though each original resistor
Find the voltage's V_1 and V_2.

24

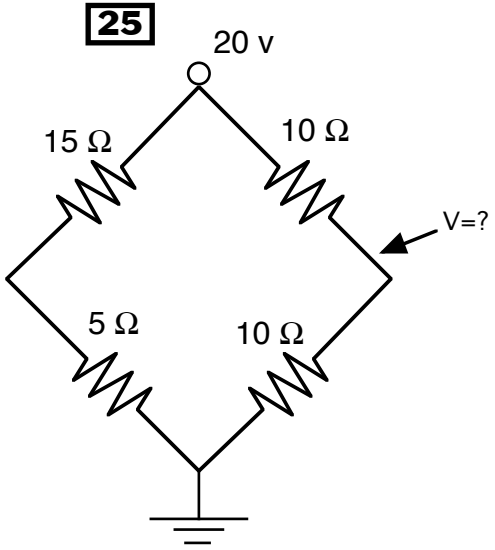


26



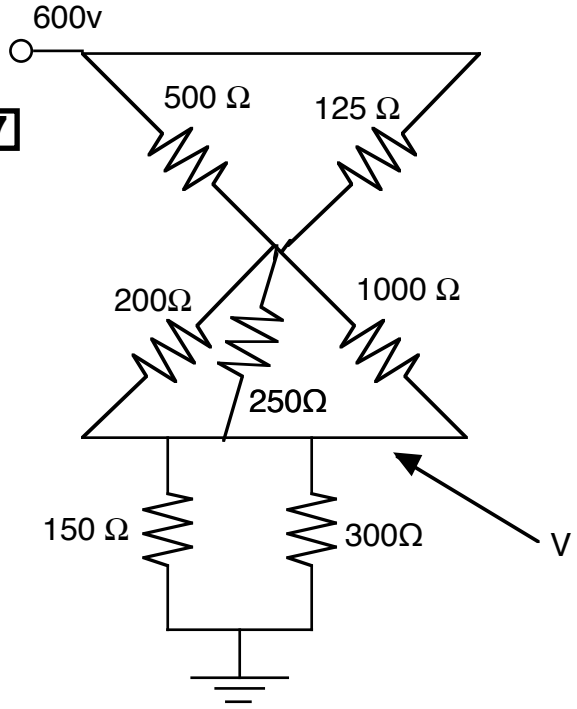
Calculate the circuit's total resistance
Find the voltage drop across and current though each original resistor
Find the voltage's V_1 and V_2.

25



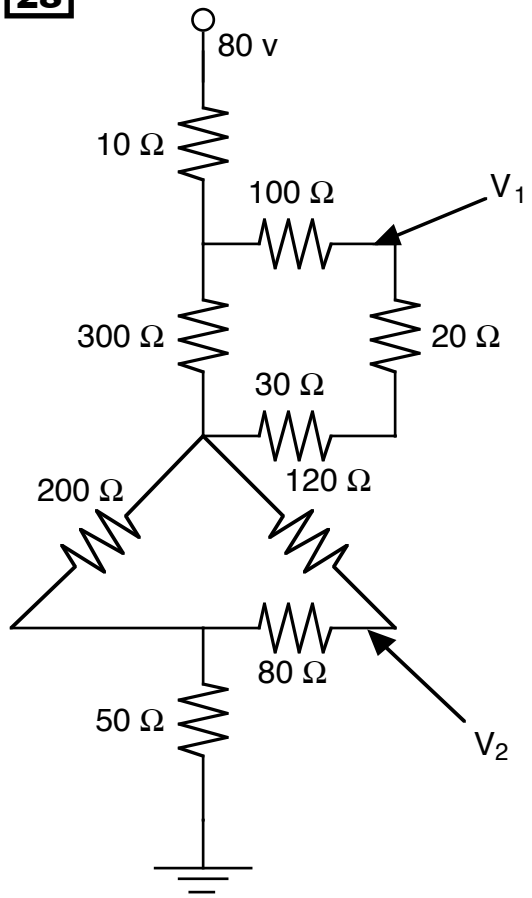
Calculate the circuit's total resistance
Find the voltage drop across and current though each original resistor
Find the voltage's V_1 and V_2.
Find the power dissipated by each resistor.

27

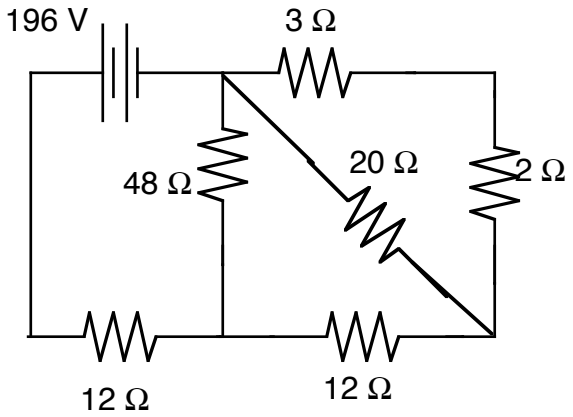


Calculate the circuit's total resistance
Find the voltage drop across and current though each original resistor
Find the voltage's V_1 and V_2.

28



29



30