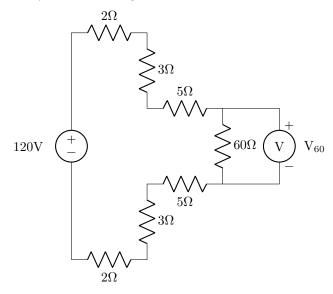
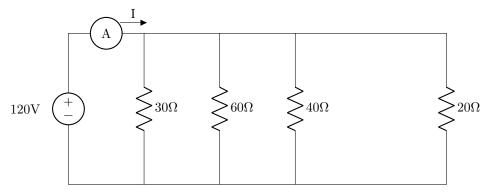
1. Analyze the following circuit:



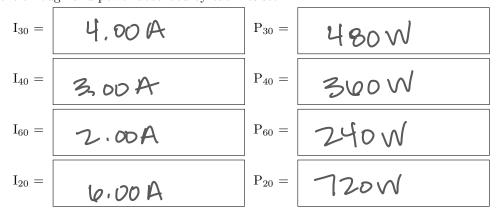
(a) What power does the source supply?

(b) What does the voltmeter read?

2. Analyze the following circuit:

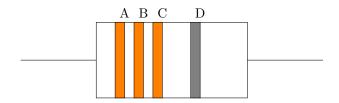


(a) Find the current through and power absorbed by each resistor.



(b) What does the ideal anmeter read?

3. Given the following 4-band resistor:



(a) What is the nominal resistance value? What would be the maximum possible resistance value (at the edge of maximum tolerance)?



(b) What would be the bands for a 150Ω resistor with 20% tolerance?

band
$$1 =$$
 Brown band $2 =$ green band $3 =$ band $4 =$ now

- 4. Given that the power absorbed by a resistor is $P = \frac{V^2}{R} = I^2 R$:
 - (a) How much voltage can you put across a 220Ω , 1W resistor?

(b) How much current can you put through a 100Ω , 2W resistor?