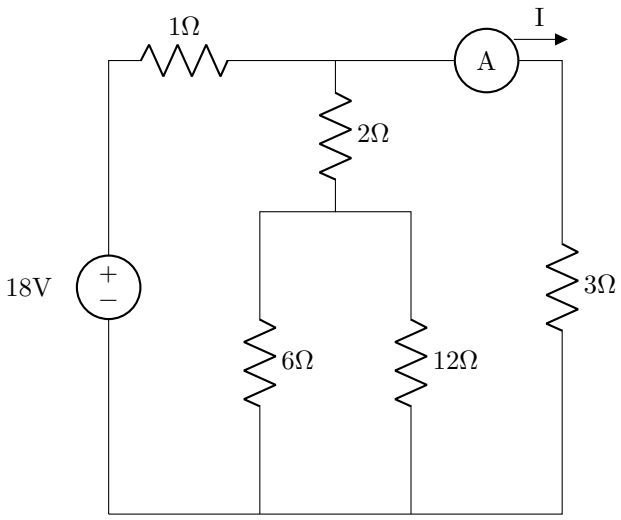
1. Analyze the following circuit:

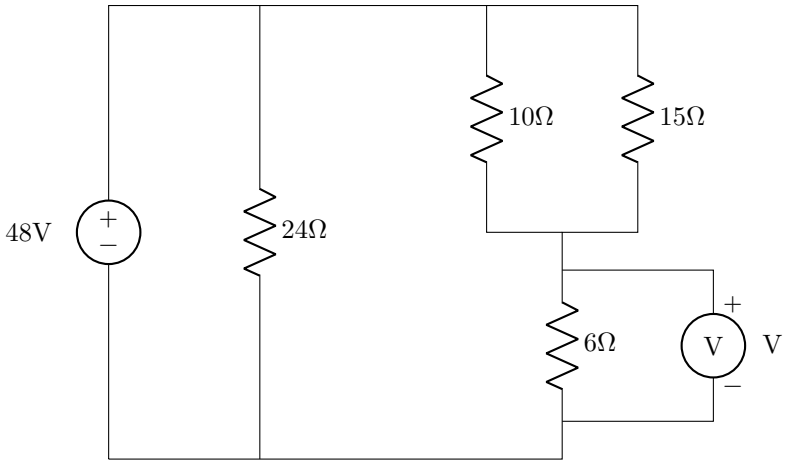


(a) What does the ideal anmeter read? $I =$ 4.00A

(b) What power is consumed by the 12Ω resistor? $P_{12} =$ 5.33W

(c) If you want to protect the 18V source from abnormal circuit conditions, suggest a rated value for a fuse to be placed in series with the source. fuse = 12.0A

2. Analyze the following circuit:



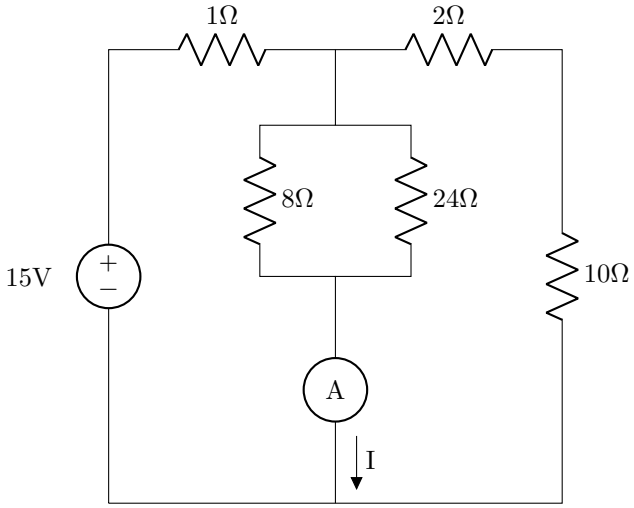
(a) Find the power absorbed by the 10Ω resistor.

P_{10} = 57.6W

(b) What does the ideal voltmeter read?

V = 24.0V

3. Analyze the following circuit:



(a) Find the power absorbed by the 10Ω resistor.

P_{10} = 10.0W

(b) What does the ideal anmeter read?

I = 2.00 A

(c) Suggest a fuse rating to protect the 15V source.

I = 6.00 A