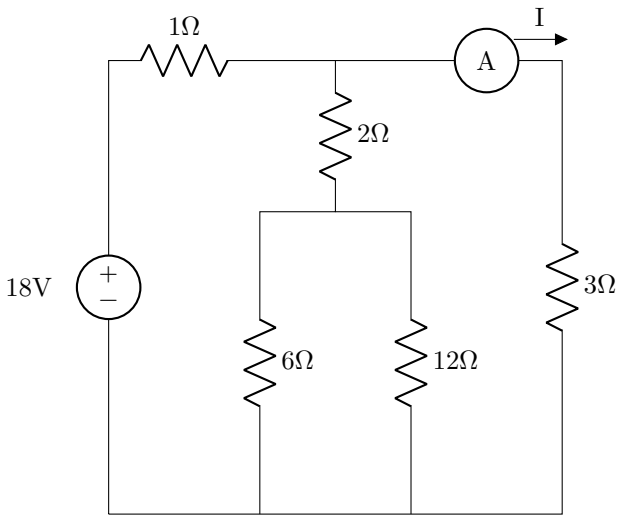
1. Analyze the following circuit:



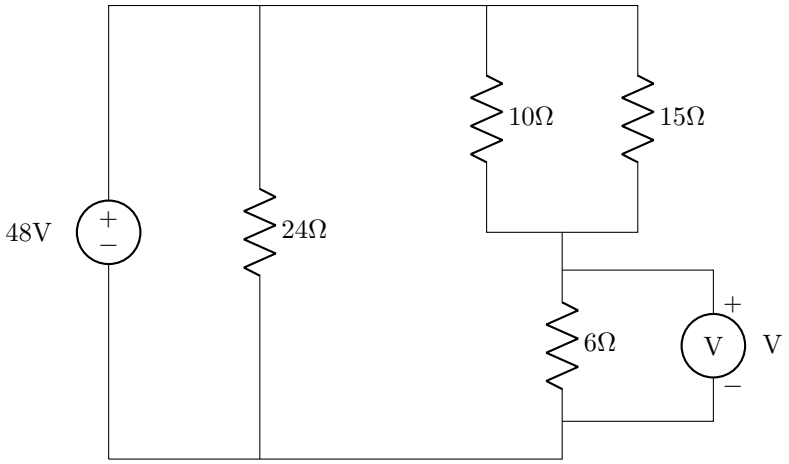
(a) What is the current through A? I =

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

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

4A
6A
8A
10A
12A

2. Analyze the following circuit:



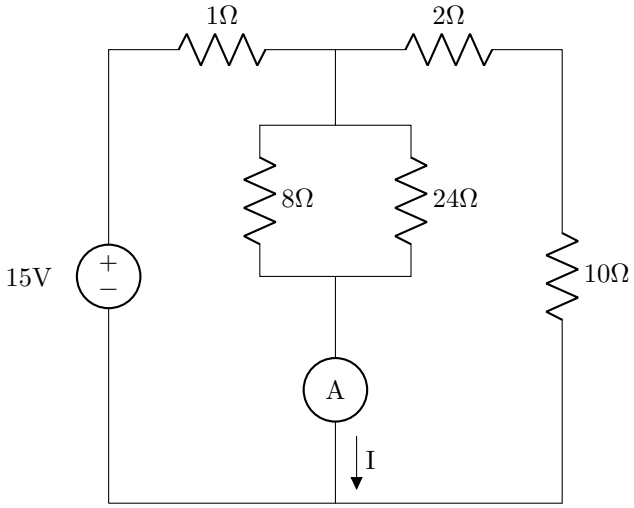
(a) Find the power absorbed by the 10Ω resistor.

P_{10} =

(b) What does the ideal voltmeter read?

V =

3. Analyze the following circuit:



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

$P_{10} =$

(b) What does the ideal ammeter read?

$I =$

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

2A
3A
4A
5A
6A

$I =$