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<b>Started on</b>	Wednesday, 12 October 2016, 11:04 AM
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<b>State</b>	Finished
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<b>Completed on</b>	Wednesday, 12 October 2016, 11:44 AM
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<b>Time taken</b>	39 mins 35 secs
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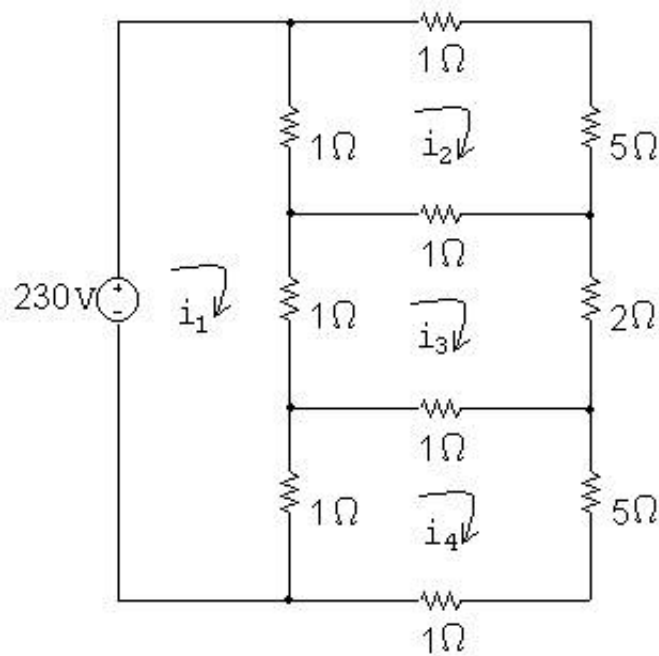
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<b>Grade</b>	<b>90.00</b> out of 100.00
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**Question 1**

Correct

Mark 90.00 out of  
100.00

Q5c

Given:  $i_4 = 15 \text{ A}$ 

a) Find the three remaining mesh currents.

$$i_1 = 95 \text{ A}$$

$$i_2 = 15 \text{ A}$$

$$i_3 = 25 \text{ A}$$

b) Find the power absorbed/delivered by the voltage source.

$$P_{230V} = -21850 \text{ W}$$

“+” = absorbed    “-” = delivered

**Numeric Answer**

$$\text{a) } i_1 = 95.0 \text{ A}$$

$$i_2 = 15.0 \text{ A}$$

$$i_{sc} = 25.0 \text{ A}$$

$$\text{b) } P_{Vf} = -21,850 \text{ W delivered}$$