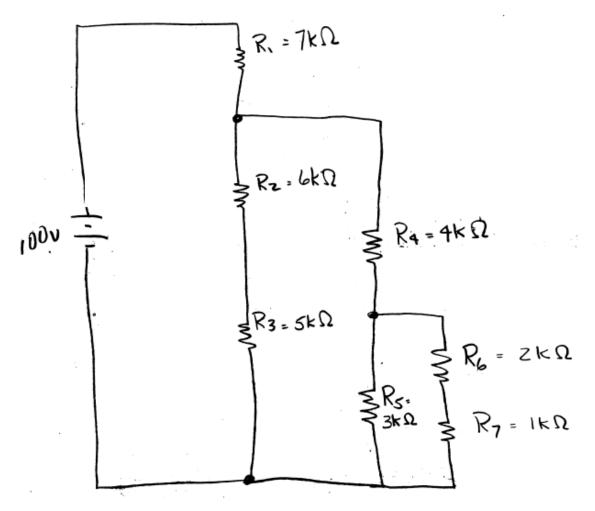


## **Basic Electricity – Unit 6: Other Basic Circuit Fundamentals**

Homework 3

Instructions: Solve the following circuit.







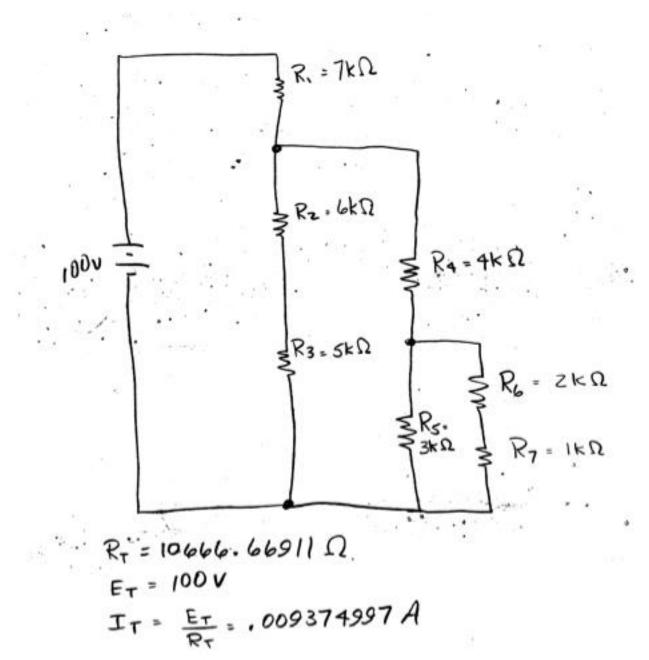
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### **Basic Electricity – Unit 6: Other Basic Circuit Fundamentals**

Homework 3

Solution:



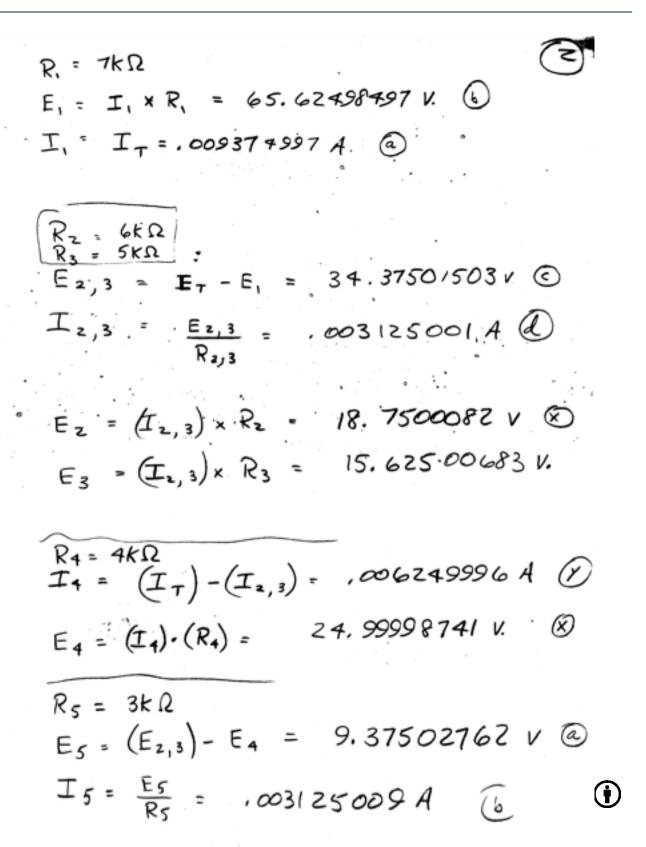




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### **Basic Electricity – Unit 6: Other Basic Circuit Fundamentals**

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**Basic Electricity – Unit 6: Other Basic Circuit Fundamentals** 

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$$E_{6,7} = E_{5} = 9.37502762 \ V \textcircled{3}$$

$$I_{6,7} = \underbrace{E_{6,7}}_{R_{6,7}} = .003125009 \ A \textcircled{3}$$

$$E_{6} = (I_{6,7})(R_{6}) = 6.250018913 \ V_{6}$$

$$E_{7} = (I_{6,7})(R_{7}) = 3.125009207 \ V$$





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# **Basic Electricity – Unit 6: Other Basic Circuit Fundamentals**

Homework 3

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