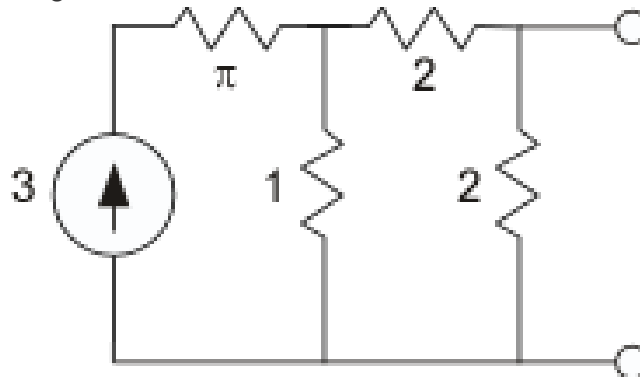# Circuit Exercises

The **due date** for this homework is **Sun 14 Apr 2013 8:00 PM EDT**.
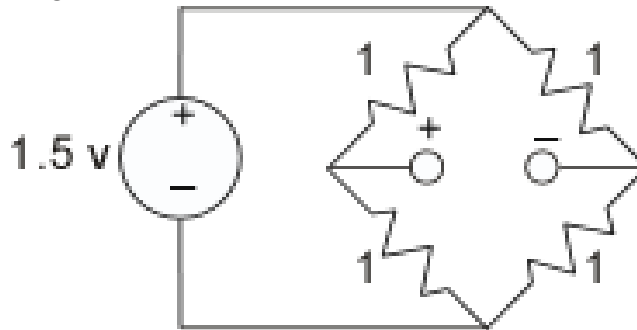
Question 1

Consider the following circuit.

Find the values of the Thévenin equivalent voltage source and the Thévenin equivalent resistance for this circuit. Express your answer as a pair of numeric values, with the Thévenin equivalent voltage coming first. For example, if $V_{eq} = 5$ and $R_{eq} = \sqrt{2}$, your answer should be entered as `5 1.4`.

Question 2

Find the values of the Mayer-Norton equivalent current source and the Mayer-Norton equivalent resistance for the same circuit. Express your answer as a pair of numeric values, with the equivalent source coming first. For example, if $I_{eq} = 5$ and $R_{eq} = \sqrt{2}$, your answer should be entered as `5 1.4`.

Question 3

Consider the following circuit.

Find the values of the Thévenin equivalent voltage source and the Thévenin equivalent resistance for this circuit. Express your answer as a pair of numeric values, with the Thévenin equivalent voltage coming first. For example, if $V_{eq} = 5$ and $R_{eq} = \sqrt{2}$, your answer should be entered as `5 1.4`.

Question 4

Find the values of the Mayer-Norton equivalent current source and the Mayer-Norton equivalent resistance for the same circuit. Express your answer as a pair of numeric values, with the equivalent source coming first. For example, if $I_{eq} = 5$ and $R_{eq} = \sqrt{2}$, your answer should be entered as `5 1.4`.

☐ In accordance with the Honor Code, I certify that my answers here are my own work.

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