

Prelab 9: Faraday's Law Quantitative

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Due 18 Oct 11:59



Problem 1

Review equipment list carefully. Identify three pieces of equipment that will not be useful in building the circuits in this lab



Problem 2

Magnetic flux is defined as $\Phi_{\mathbf{B}} = \int \mathbf{B} \cdot \mathbf{A}$. Identify the two conditions that are needed to simplify this expression down to $\Phi_{\mathbf{B}} = BA$.



Problem 3

For the two shapes below draw the shape of the magnetic field when they are carrying current shown.

