Use the current loop in the figure to check the following for any point $(x, y, z)$

$$
\oint\left(\hat{\boldsymbol{r}} \cdot \boldsymbol{r}^{\prime}\right) d \boldsymbol{l}^{\prime}=-\hat{\boldsymbol{r}} \times \int d \boldsymbol{a}^{\prime}
$$



