4. Find \( \lim_{x \to 0^+} \left( \frac{1}{\sin x} - \frac{1}{x} \right) \)

\[
\begin{align*}
&= \lim_{x \to 0^+} \frac{x - \sin x}{x \sin x} \\
&= \lim_{x \to 0^+} \frac{-\cos x}{\cos x + x \cos x} \\
&= \lim_{x \to 0^+} \frac{\sin x}{\cos x + \cos x + x(-\sin x)} \\
&= \frac{0^+}{2} \\
&= 0
\end{align*}
\]