Name:

## Student Number:

$\qquad$
Department: $\qquad$ Signature:

Question 1.(3 pts) Differentiate $f(x)=\ln \left(\ln \left(x^{2}\right)\right)$.

Question 2.(7 pts) Find

$$
\lim _{x \rightarrow 0} \frac{e^{x}+e^{-x}-2}{e^{x}-x-1}
$$

