## Question 6

The graph of the function $g(x)=e^{x}, x \in \mathbb{R}, 0 \leq x \leq 1$, is shown on the diagram below.
(a) On the same diagram, draw the graph of $h(x)=e^{-x}, x \in \mathbb{R}$, in the domain $0 \leq x \leq 1$.

(b) Find the area enclosed by $g(x)=e^{x}, h(x)=e^{-x}$, and the line $x=0.75$. Give your answer correct to 4 decimal places.

(b)

