(a) Determine the area bound by the graph of $f(x) = e^x$ and the x-axis between x = 0 and $x = \ln 2$.

(b) Hence, determine the area bound by the graph of $f(x) = e^x$, the line y = 2 and the y-axis. (2 marks)

(c) Determine the area bound by the graph of $f(x) = e^x$, the line y = a and the y-axis, where a is a positive constant. (3 marks)