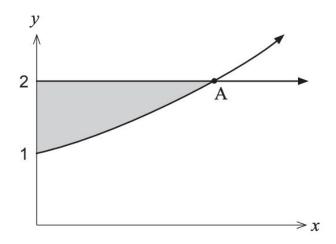
(a) Consider the shaded area shown between the graph of $y = e^x$, the y axis and the line y = 2.



(i) Determine the coordinates of the point A.

(1 mark)

(ii) Hence or otherwise determine the area between the graph of $y = e^x$, the y axis and the line y = 2. (3 marks)

