



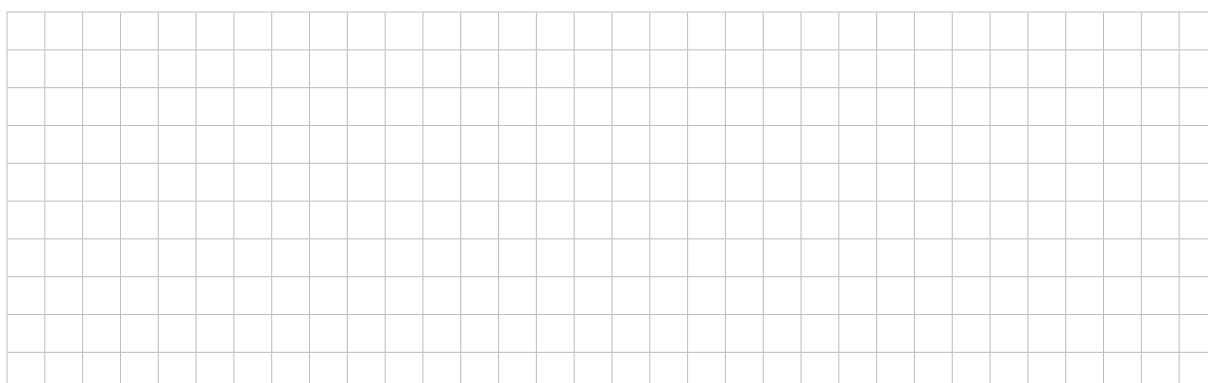
(c) (i) Hence, using algebra, find the  $x$ -coordinates of all inflection points of the graph of

$$f(x) = e^{-\frac{2}{3}x^3}.$$



(3 marks)

(ii) Using algebra, determine whether or not any of these inflection points are stationary inflection points.



(2 marks)