Question 1 (11 marks)

(a)	Using first principles, find	$f'(x)$ if $f(x) = x^2 - 3$.
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(3 marks)

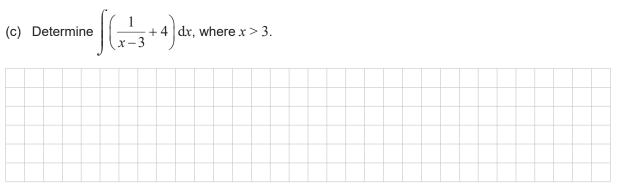
(b) Determine $\frac{dy}{dx}$ for the following two functions. You do not need to simplify your answers.



(3 marks)



(3 marks)



(2 marks)