12 The curve C has equation $y = \frac{1}{3}x^3 - 9x + 1$

(a) Find $\frac{\mathrm{d}y}{\mathrm{d}x}$

$\frac{\mathrm{d}y}{\mathrm{d}x} =$

(2)

(b) Find the range of values of x for which C has a negative gradient.

(3)

(Total for Question 12 is 5 marks)

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