2 Given that $x = t^3 + 4$ and $y = 1 - t + 5t^2$

    (a) find   (i) $\dfrac{\mathrm{d}x}{\mathrm{d}t}$

                (ii) $\dfrac{\mathrm{d}y}{\mathrm{d}t}$

                                                      (2)

    (b) Find $\dfrac{\mathrm{d}y}{\mathrm{d}x}$ in terms of t.

                                                        (2)

(Total for Question 2 is 4 marks)