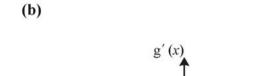
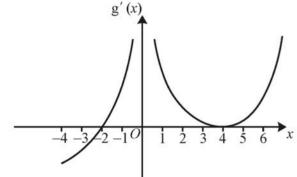
(a) The graph of the function y = f(x) passes through the point P with coordinates (2, 6), and 5 is a one-one function. State the coordinates of the point corresponding to P on each of the following curves. (i) y = f(x) + 3[1]

(ii)
$$y = 2f(3x-1)$$
 [2]
(iii) $y = f^{-1}(x)$



(iii)



The diagram shows part of the graph of y = g'(x). This is the graph of the gradient function of y = g(x). The graph intersects the x-axis at x = -2 and x = 4.

[1]

- State the set of values of x for which y = g(x) is a decreasing function. (ii)
- State the x-coordinate of any stationary points on the graph of y = g(x). (i) [1] [1]

State the x-coordinate of any points of inflection on the graph of y = g(x).