4. The diagram shows the graph of a quartic function $y = f(x)$.
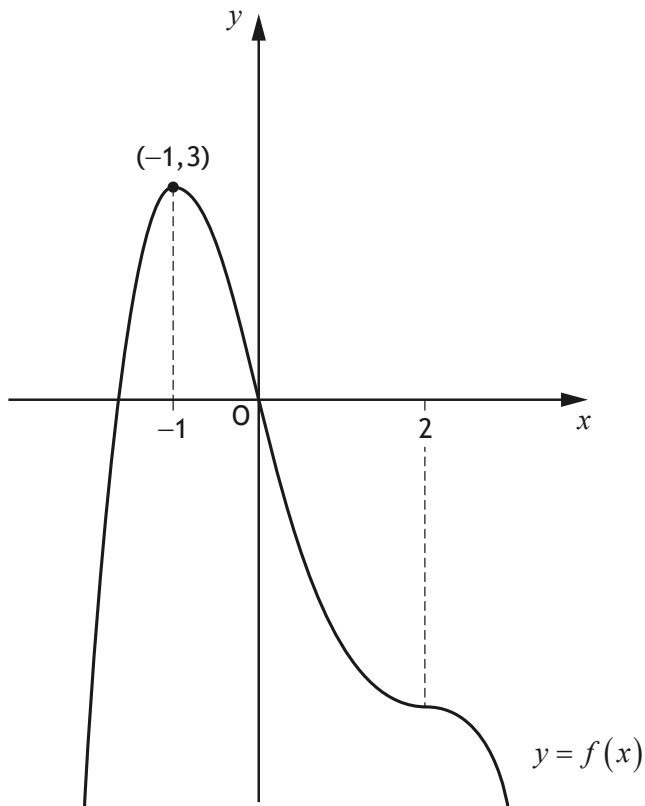
A maximum turning point occurs at $(-1, 3)$.

The graph of $y = f(x)$ also has a point of inflection at $x = 2$.

(a) Determine the coordinates of the maximum turning point on the graph of $y = f(x-4)+2$.   **2**

(b) On the diagram in your answer booklet, sketch the graph of $y = f'(x)$.   **3**