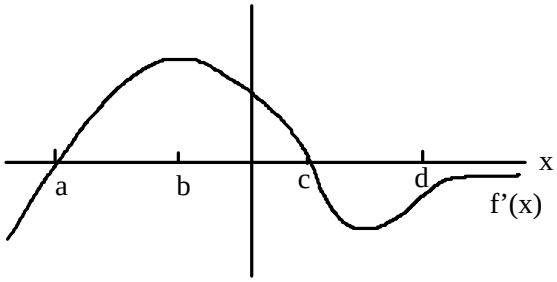
MCS-121
Graphing Antiderivatives

1. The graph of $f'(x)$ is given below. Sketch a possible graph for $f(x)$. Mark the points a, b, c and d on your graph and label local maxima, local minima and points of inflection.



2. The graph of the derivative $g'(x)$ of a function $g(x)$ is given below. It is given that $g(0) = 50$. Sketch the graph of $g(x)$, showing all critical points and inflection points of g and giving their coordinates.