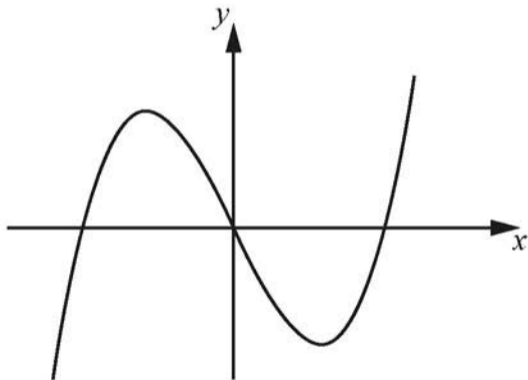


**5** In this question you must show detailed reasoning.

The diagram shows part of the graph of  $y = x^3 - 4x$ .



Determine the total area enclosed by the curve and the  $x$ -axis.

**[6]**