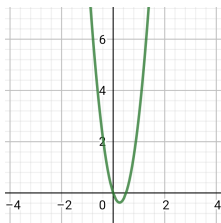


IB Calculus Problem 1

Let the function $f(x) = 6x^2 - 3x$ be represented below.

The figure is not to scale.



- A. Find $\int(6x^2 - 3x) dx$.
- B. Find the area of the region bounded by the graph of $f(x)$, the x-axis and the lines $x = 1$ and $x = 2$.

That is, $\int_1^2(6x^2 - 3x) dx$.