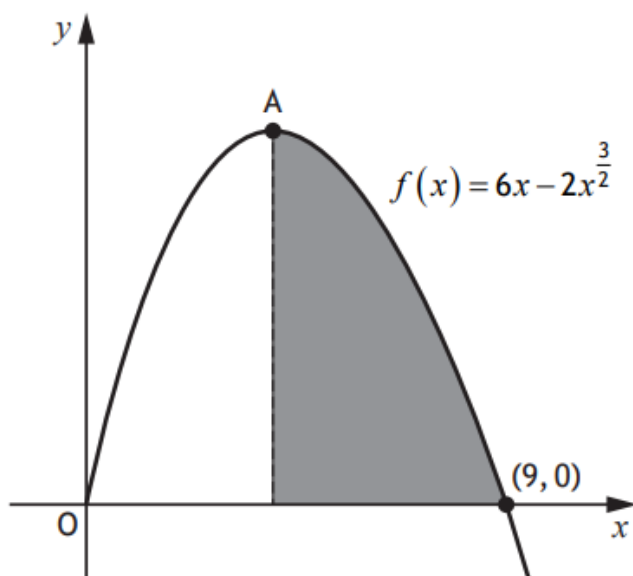


Higher Maths
SQA 2021 Paper 2
Question 6



The graph of the function $f(x) = 6x - 2x^{\frac{3}{2}}$, $x \geq 0$ is shown.
The point A is a stationary point of $f(x)$.



- (a) Determine the x -coordinate of the stationary point A. 3
- (b) Hence calculate the shaded area. 4

Answers:

(a) $x = 4$

(b) $\frac{131}{5}$ or 26.2