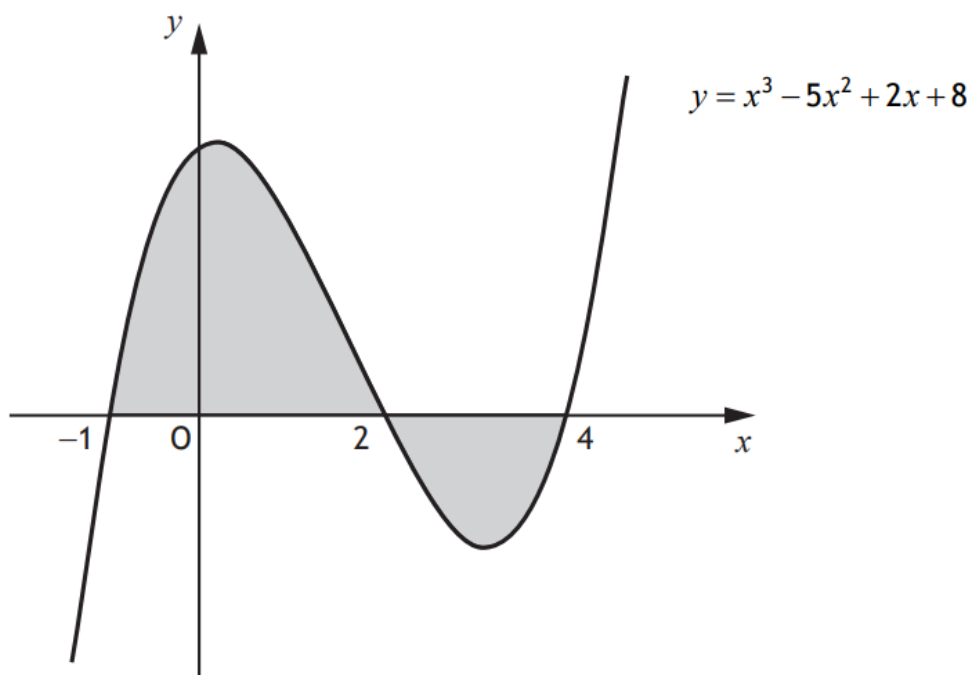


Higher Maths
SQA 2022 Paper 2
Question 4



The graph shown has equation $y = x^3 - 5x^2 + 2x + 8$.

The total shaded area is bounded by the curve and the x -axis.



- (a) Calculate the shaded area above the x -axis. 4
- (b) Hence calculate the total shaded area. 3

Answers:

- (a) $\frac{63}{4}$ or 15.75 units²
- (b) $\frac{253}{12}$ or 21.083... units²