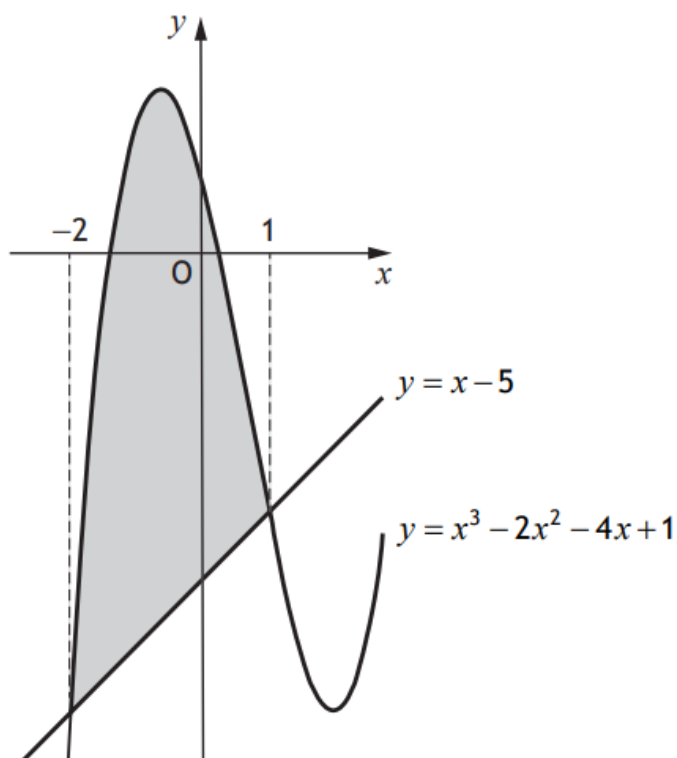


Higher Maths  
SQA 2023 Paper 2  
Question 8



The diagram shows part of the curve with equation  $y = x^3 - 2x^2 - 4x + 1$  and the line with equation  $y = x - 5$ .

The curve and the line intersect at the points where  $x = -2$  and  $x = 1$ .



Calculate the shaded area.

5

Answer:

$$\frac{63}{4} \text{ or } 15\frac{3}{4}$$