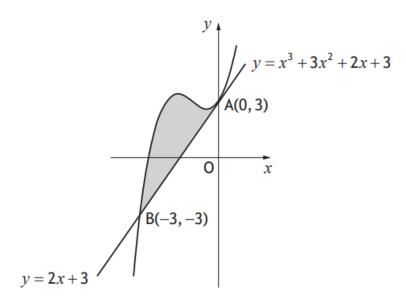
Higher Maths SQA 2018 Specimen Paper 2 Question 5



The line with equation y = 2x + 3 is a tangent to the curve with equation $y = x^3 + 3x^2 + 2x + 3$ at A(0, 3), as shown.



The line meets the curve again at B(-3, -3).

Find the area enclosed by the line and the curve.

5

Answer:

$$\frac{27}{4}$$
 units²