Advanced Higher Maths
SQA 2016 Exemplar
Question 13

Advanced Higher Maths
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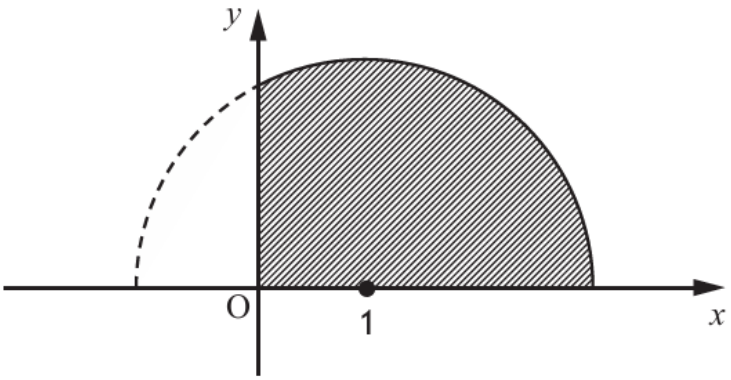
A semi-circle with centre $(1, 0)$ and radius 2, lies on the x-axis as shown.

Find the volume of the solid of revolution formed when the shaded region is rotated completely about the x-axis. **5**



Answer:

9π units^3

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