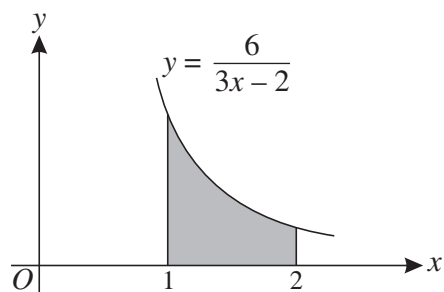


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The diagram shows part of the curve $y = \frac{6}{3x - 2}$.

- (i) Find the gradient of the curve at the point where $x = 2$. [3]
- (ii) Find the volume obtained when the shaded region is rotated through 360° about the x -axis, giving your answer in terms of π . [5]