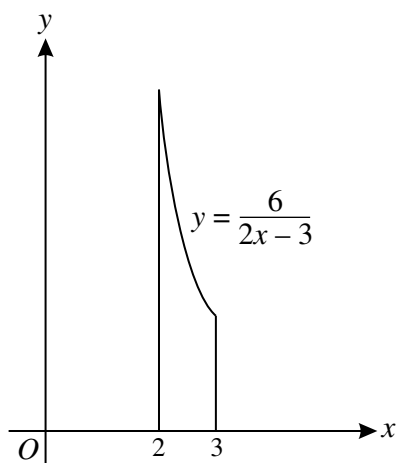


1



The diagram shows the region enclosed by the curve  $y = \frac{6}{2x-3}$ , the  $x$ -axis and the lines  $x = 2$  and  $x = 3$ . Find, in terms of  $\pi$ , the volume obtained when this region is rotated through  $360^\circ$  about the  $x$ -axis. [4]