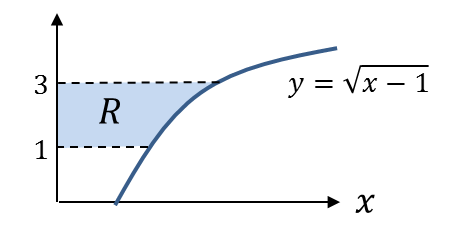
**Revolving around the y-axis**

**Examples**

1. R is the area enclosed by the curve with equation the -axis and the lines and . The region is rotated through about the -axis. Find the volume of the solid generated.

2. The diagram shows the curve with equation . The region is bounded by the curve, the -axis and the lines and . The region is rotated through about the -axis. Find the volume of the solid generated.



Test your Understanding

A curve has equation . The region is bounded by the curve, the -axis and the lines and . The region is rotated through about the -axis. Find the volume of the solid generated.

Ex 5b Pg 77-78