5A Rotations Around the x-axis

y = √x

This would be the
solid formed
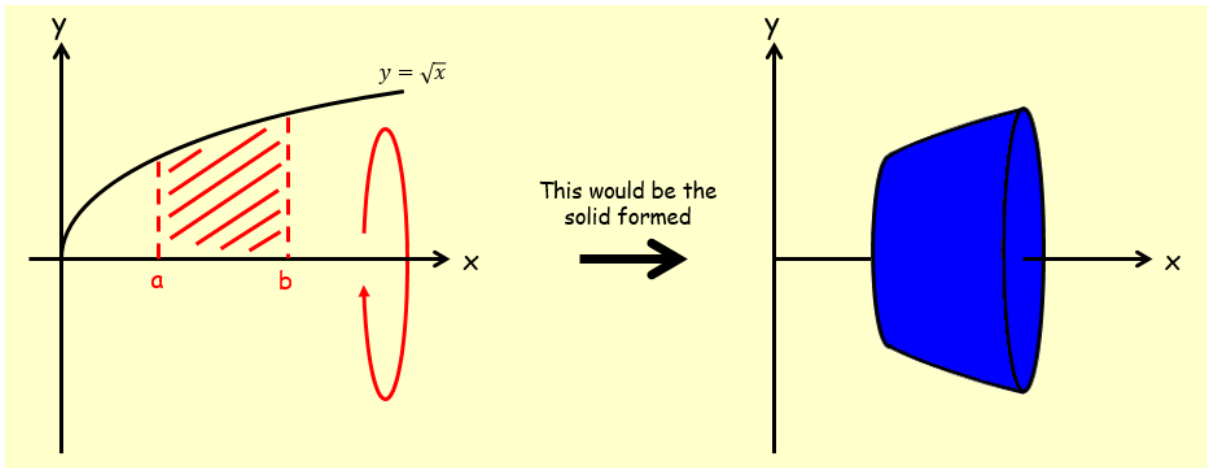
1. The diagram shows the region R which is bounded by the x-axis, the y-axis and the curve
   with equation $y = 9 - x^2$.
   The region is rotated through 360° about the x-axis.
   Find the exact volume of the solid generated.

$y = 9 - x^2$

R

0 3