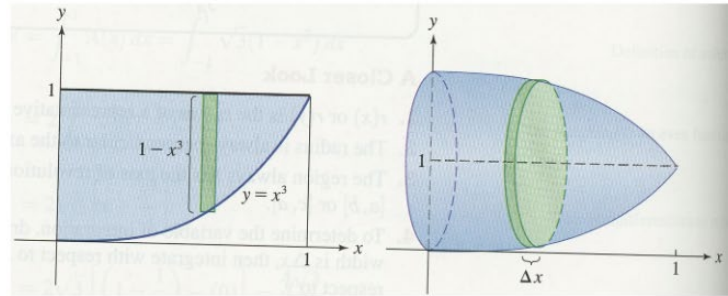
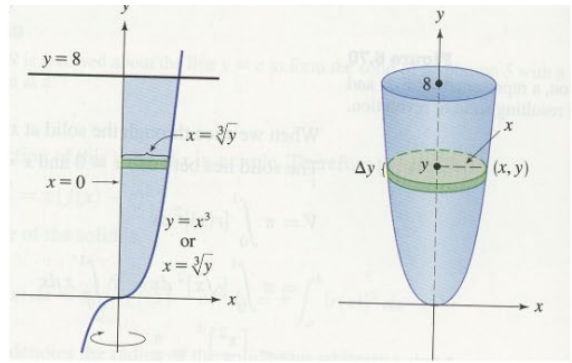


The region bounded by the graph of $y = x^2$, $y = 1$, and $x = 0$ is rotated about the line $y = 1$. Find the volume of the resulting solid.

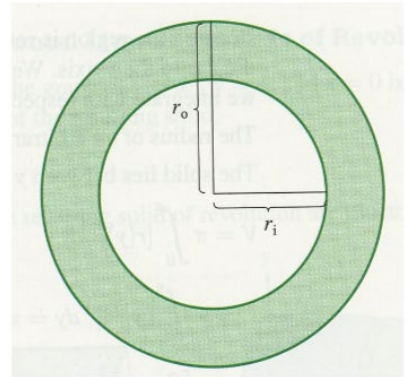
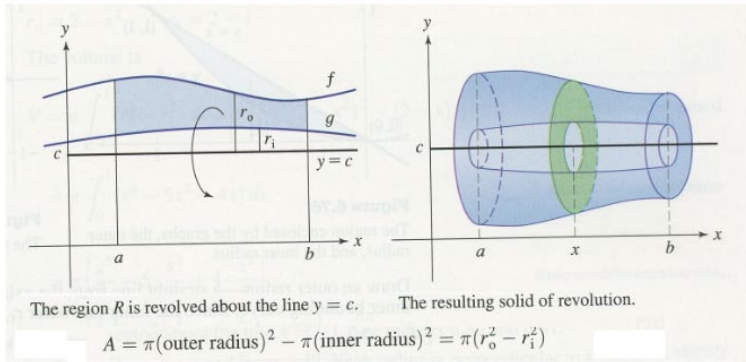


The region bounded by the graphs of $y = x^3$, $y = 8$, and $x = 0$ is rotated about the y -axis. Find the volume of the resulting solid.

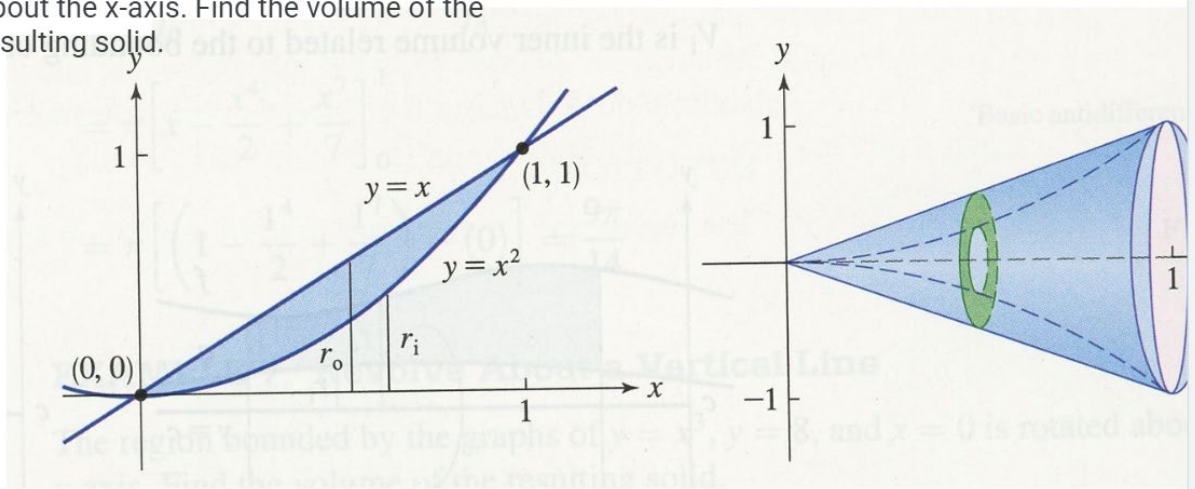


See <https://www.geogebra.org/m/yn6xudfs#material/Dkpp8qxZ>

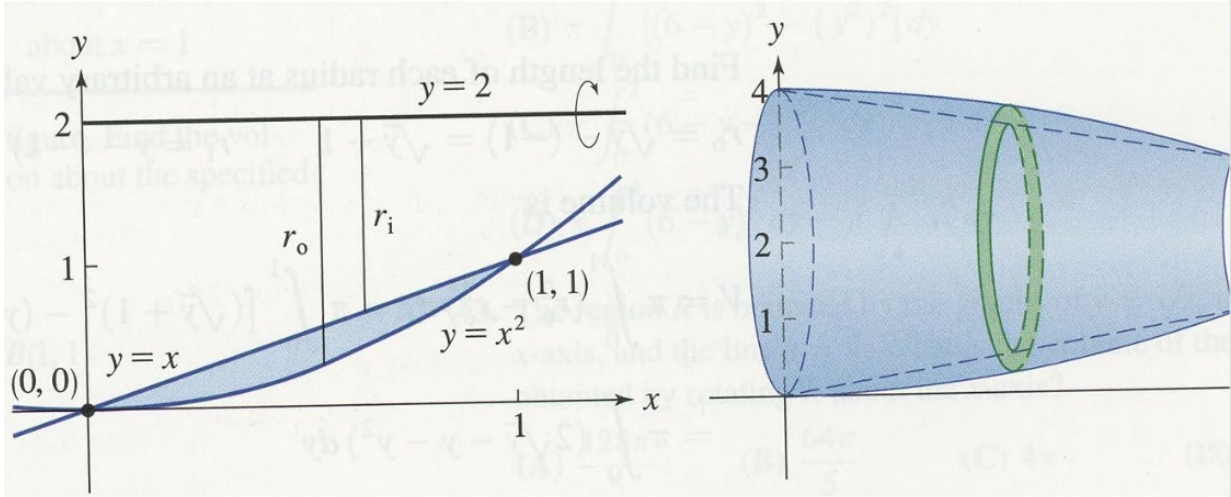
The washer method = the disk method with a hole in it



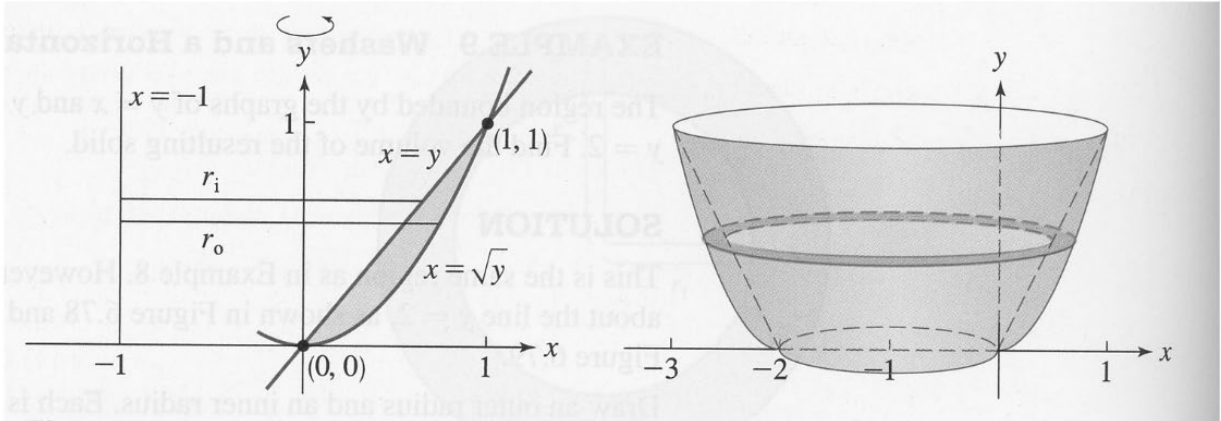
The graphs of $y = x$ and $y = x^2$ intersect at the points $(0,0)$ and $(1,1)$. The region bounded by these graphs is revolved about the x -axis. Find the volume of the resulting solid.



The region bounded by the graphs of $y = x$ and $y = x^2$ is revolved about the line $y = 2$. Find the volume of the resulting solid.



The region bounded by the graphs of $y = x$ and $y = x^2$ is revolved about the line $x = -1$.
 Find the volume of the resulting solid.



The region bounded by the graphs of $y = x$ and $y = x^2$ is revolved about the y -axis. Find the volume of the resulting solid.

