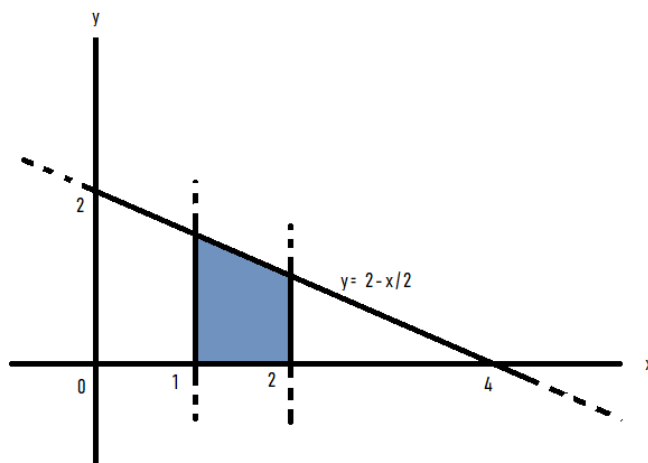


By: Amulya Baniya

The objective of this question is to calculate the volume of solid generated by revolution of a planar region. As a hint, the region bounded by the curves and the solid of revolution is given below:



According to the question, we are supposed to revolve the region around the  $x$ -axis. On Revolving around the  $x$ -axis, a solid of revolution is obtained.

