Calculating the volume of a solid of revolution

Example 1

Find the volume of solid generated when the region between the line and the curve is rotated by about the -axis.

[Refer to the interactive Geogebra file volumes-of-revolution-1.ggb]



Example 2

Find the volume of solid generated when the region between the line and the curve is rotated by about the y-axis.

[Refer to the interactive Geogebra file volumes-of-revolution-2.ggb]



