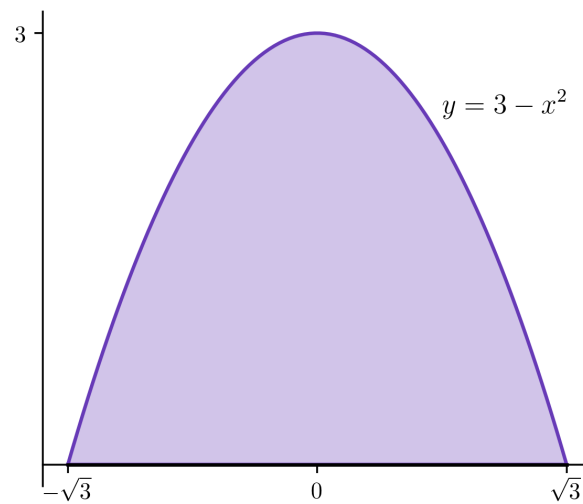


## Exercises: Disks and Washers

*Exercises for the disk and washer methods.*

**Problem 1** The region  $0 \leq y \leq 3 - x^2$ , shown below, is revolved around the  $x$ -axis. Use the disk method to find the volume of the solid of revolution.



$$V = \boxed{\frac{48\pi\sqrt{3}}{5}}$$