

MATH 1552, Integral Calculus

Sections 6.1-6.2: Volumes

1. Find the volume of the solid generated when the region bounded by the curves $y = 4 - x^2$ and $y = 2 - x$ is revolved about the x -axis.

2. Find the volume of the solid generated when the region bounded by the curves $y = x^2 - 4$ and $y = 2x - x^2$ is revolved about the line $y = -4$.