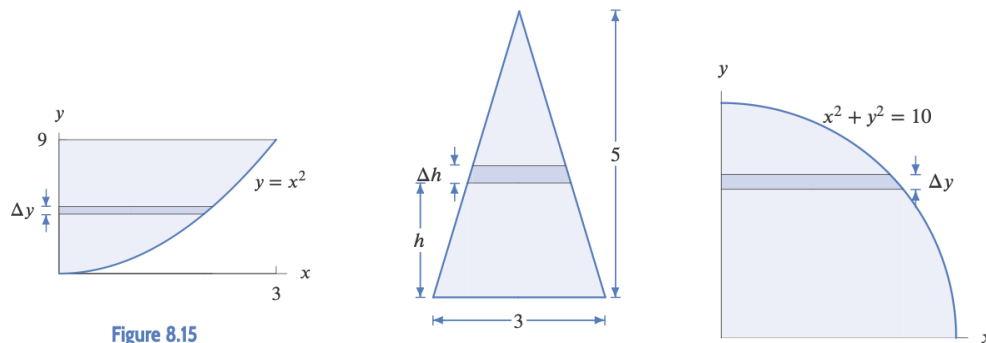


Math 102 — Areas and Volumes

Problem 1. For each of the figures below, set up a definite integral that represents its area. Begin by determining the area of an arbitrary slice and write a Riemann sum approximating the area.



Problem 2. For each of the figures below, set up a definite integral that represents its volume. Begin by determining the volume of an arbitrary slice and write a Riemann sum approximating the volume.

