

# INTRODUCTION TO CALCULUS

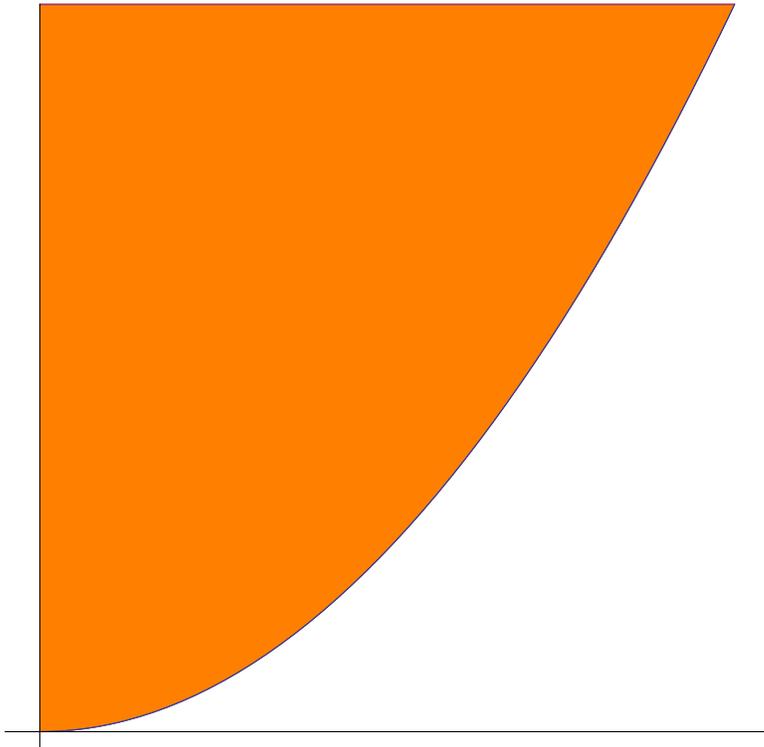
MATH 1A

UNIT 20: WORKSHEET

## Area Computation

In order to solve such an area problem, we have to draw a picture. We started doing that.

- 1:** Can you find the area enclosed by the graphs  $x^2$  and  $8 - x^2$ ?
- 2:** Let us compute the area of the region enclosed by the lines  $x = 0$ ,  $x = \sqrt{y}$ ,  $y = 0$  and  $y = 4$ .



**3:** Lets compute the area of the region enclosed by the lines  $x = 0$ ,  $x = y^2$ ,  $y = 0$  and  $y = 2$ . Now its your turn to draw a picture and compute the area.

