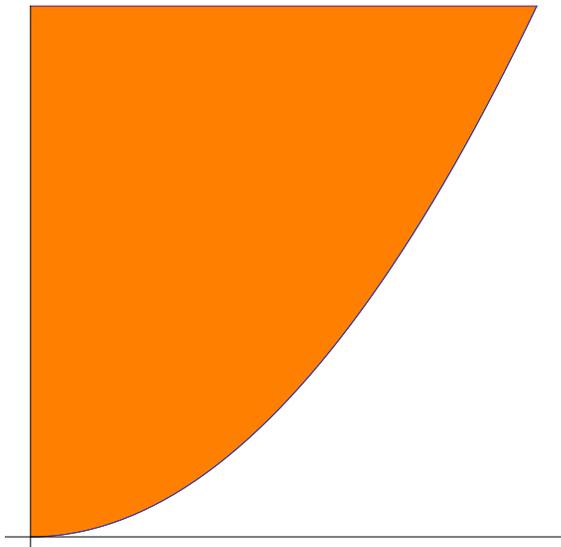## Lecture 21: Worksheet

Area Computation

1   Can you find the area enclosed by the graphs x^2 and $8 - x^2$?

2   Lets compute the area of the region enclosed by the lines $x = 0, x = \sqrt{y}, y = 0$ and $y = 4$. In order to solve such an area problem, we have to draw a picture. We started doing that. Find ways to find the area.

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.