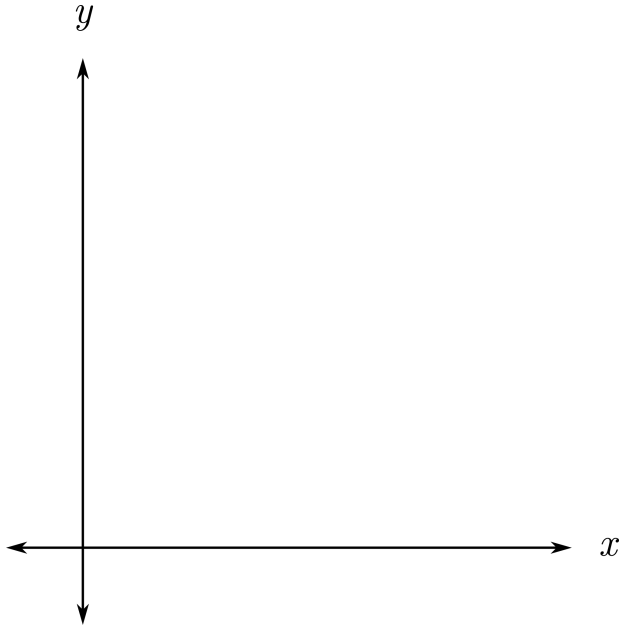Plot the functions

$$f(x) = \sqrt{x} \quad \text{and} \quad g(x) = x^2$$

and **shade the region** between these two curves.



How could you find the **area of this region**?