Volume: The Disc Method
Section 7.2b

Do you remember how to find the volume of a cylinder? Sketch a cylinder with its dimensions and its volume in the space below.

We are going to use cylinders to help us find the volume of a solid created by revolving a function around the $x$-axis.

Now we’re going to try this with a real problem! Find the volume of the solid when $f(x) = \sqrt{\sin x}$ for $0 \leq x \leq \pi$ is rotated around the $x$-axis. Sketch the graph of this function and copy the notes from your teacher in the space below.