

## 4A/B Volumes of Revolution

A Reminder from CP1:

1. The region  $R$  is bounded by the curve with equation  $y = \sin 2x$ , the  $x$ -axis and the lines  $x = 0$  and  $x = \frac{\pi}{2}$ .

Find the volume of the solid formed when region  $R$  is rotated through  $2\pi$  radians about the  $x$ -axis.

2. The diagram shows the curve with equation  $y = 4\ln x - 1$ .

