## Your turn

Find the area of the finite region bounded by the curve with equation $y=$ $x^{3}$, the lines with equation $x=1$ and $x=4$ and the $x$-axis.

Find the area of the finite region
bounded by the curve with equation $y=$
$x^{4}$, the lines with equation $x=3$ and $x=5$ and the $x$-axis.

2882
5

## Your turn

Find the area of the finite region between the curve with equation $y=$ $6+x-x^{2}$ and the $x$-axis.

Find the area of the finite region between the curve with equation $y=$ $20-x-x^{2}$ and the $x$-axis.

Find the area of the finite region bounded by the curve with equation $y=$ $x^{2}(x+2)$ and the $x$-axis

Find the area of the finite region
bounded by the curve with equation $y=$ $x^{2}(3-x)$ and the $x$-axis
$\frac{27}{4}$

