WHAT IS INTEGRATION?

- One of the two main operations of calculus
- The reverse process of differentiation
- Involves the summation of smaller parts to find the whole
- $\cdot\,$ Has wide applications such as finding areas under curves and volumes of solids



1.1 WORKED EXAMPLE

What is the relationship between integration and differentiation?

1.2 WORKED EXAMPLE

Explain, using a diagram, how integration is used to find areas under curves?