

## Section 1: Improper integrals

### Crucial points

1. **Make sure you know what is meant by an improper integral**  
You need to be able to recognise two types of improper integral: ones where one of the limits is infinity, and ones where the integrand is not defined at one of the limits or at some point in between the limits.
2. **Remember that improper integrals may or may not have values**  
Some improper integrals can be evaluated; others are undefined.