

Edexcel Core 4 Parametric equations

Section 1: Using parametric equations

Crucial points

1. **Make sure that you are familiar with the trigonometric identities.**
See the examples in the textbook and the Notes and Examples. You may need these when finding the Cartesian equation of a curve from its parametric equations.
2. **Be careful when integrating**
Remember that when you are finding the area under a curve defined parametrically, you need to change the variable by using $\frac{dx}{dt}$, and you need to use the appropriate values of t , not x , as limits of integration.