Edexcel AS Maths Exponentials & logarithms integral



Section 2: Natural logarithms and exponentials

Crucial points

- 1. Learn and be confident using the laws of indices and logarithms Make sure that you know the rules of logarithms and of indices, so that you can manipulate expressions involving exponentials and logarithms confidently.
- 2. Make sure that you remember that the exponential and logarithm functions are the inverses of each other Remember that the exponential function and the natural logarithm function are inverse functions; so you can "undo" an exponential function by using natural logarithms, and you can "undo" a natural logarithm by using exponentials.
- 3. Be careful with signs In an exponential decay model, be careful not to lose the minus sign. Remember that the logarithm of a number less than 1 is negative, and you can rewrite e.g. $\ln \frac{1}{2}$ as $-\ln 2$.

