Section 2: The inverse hyperbolic functions

Crucial points

1. **Make sure you select the right standard integral**
   Always check carefully that the integral you have selected matches the form of the function you are integrating. Remember that if the coefficient of x is not 1, you need to take out a factor.

2. **Be careful when evaluating integrals and inverse hyperbolic functions**
   You sometimes need to deal with some quite complicated logarithmic functions when using the inverse hyperbolic functions. It is very easy to make careless mistakes, so always check your work. If your calculator has the hyperbolic functions on it, you can use it to double-check your answer.