**6C Hyperbolic Equations and Identities**

1. Prove that:

Osborn’s Rule:

1. Write down the hyperbolic identity corresponding to:
2. Given that , find the exact value of:
4. Solve the equation below for real values of .
5. Solve the equation below, giving answers as natural logarithms.
6. Solve the equation below, giving answers as natural logarithms where appropriate.

Some additions to Osborn’s rule