

The Task: produce a writeup as follows:

- 1 Derive a formula for **arccosh**(t) in terms of more elementary functions. You will need to resolve a \pm at some point; write a little paragraph about why it resolves the way it does.
- 2 Use your formula to compute **arccosh'**(t).
- 3 Compute **arccosh'**(x) via the implicit-differentiation approach we used to find **arctan'**(x) and **arcsin'**(x).
- 4 Arrange an appointment with your kindly old instructor to go over your writeup.