Assignment 13

Oral questions

1. Using Theorem 12.5, prove formulas (16.1), (16.2) and (16.3).

Questions to be answered in writing

1. Find the angles of the triangle whose sides are 3, 4, and 5. (Use the hyperbolic law of cosines.)

2. Find the sides of the triangle, whose angles are $A = 10^o$, $B = 20^o$ and $C = 40^o$. (Use the dual law $\cos(C) = -\cos(A)\cos(B) + \sin(A)\sin(B)\cosh(c)$.)