For hyperbolic triangle with vertices A, B, C and edges a, b, c we have :

$$\sinh(b)\sinh(c)\cos(A) = +\cosh(b)\cosh(c) - \cosh(a)$$

$$\sin(B)\sin(c)\cosh(a) = +\cos(b)\cos(c) + \cos(a)$$

and

$$\sinh(a)/\sin(A) = \sinh(b)/\sin(B)$$

For spherical triangle with vertices ABC and edges abc we have

$$\sin(b)\sin(c)\cos(A) = -\cos(b)\cos(c) + \cos(a)$$

$$+\cos(A) + \cos(B)\cos(C) = \sin(B)\sin(C)\cos(a)$$

$$\sin(a)/\sin(A) = \sin(b)/\sin(B)$$