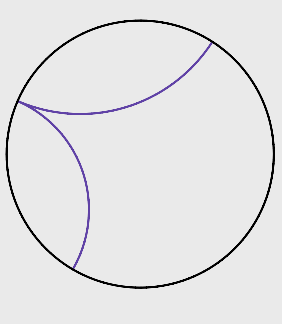
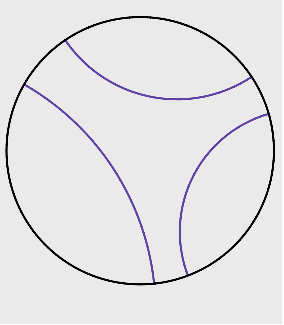


Info

This note, that [was found here](#), as a part of [a collection](#) is written (completely with human hands) by [Rupadarshi Ray](#), was created on January 10, 2026 4:05:19 PM, was last modified on September 2, 2026 10:58:32 AM, and was exported on September 7, 2026 2:50:36 PM.

Polygons in hyperbolic plane

number of sides	polygons	ideal polygons	extended polygons
3		✓ https://www.desmos.com/calculator/vcawsmr4xr	
4			
5			
6	✓ https://www.desmos.com/calculator/v2yscfzqdg		
7			

Let $P \subset H^2_U$ be a convex polygon with n sides and internal angles $\theta_1, \dots, \theta_n$. Then

$$\mu(P) = (n - 2)\pi - \sum_{j=1}^n \theta_j$$

Current note has 2 direct children and 2 total descendants.

- [squishy](#)

• $\mathbb{R}H^2, \mathbb{R}H^2_U, D^2$

• [Polygons in hyperbolic plane](#)

• [Triangles in hyperbolic plane](#)

• [Hexagons in hyperbolic plane](#)

And it has 2 siblings.

- [squishy](#)

• $\mathbb{R}H^2, \mathbb{R}H^2_U, D^2$

• [Polygons in hyperbolic plane](#)

• [Side pairings](#)