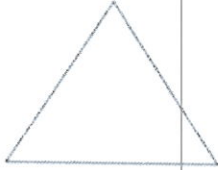
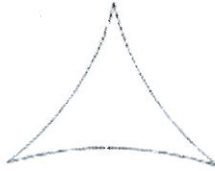


Instructions: Show all work. Use exact answers unless specifically asked to round. Be sure to complete all parts of each problem.

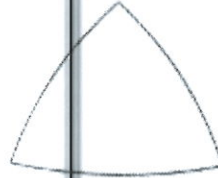
1. A property of Euclidean and non-Euclidean geometry is shown below. Identify whether the property corresponds to spherical geometry, Euclidean geometry, or hyperbolic geometry.



Euclidean

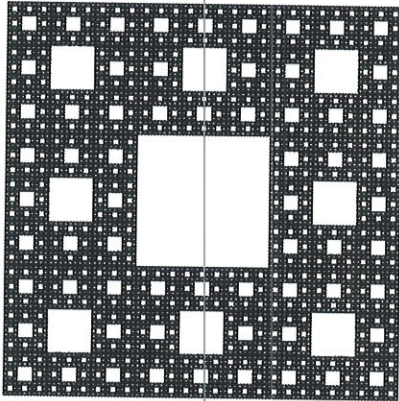


hyperbolic



Spherical

2. Explain how the Sierpinski carpet below exhibits the property of self-similarity.



As you zoom in, the pattern remains the same

3. Use the replacement rule for the Koch snowflake to make the next level (Stage 2) on the Stage 1 Koch Snowflake construction below.

