

Math Art by Geogebra

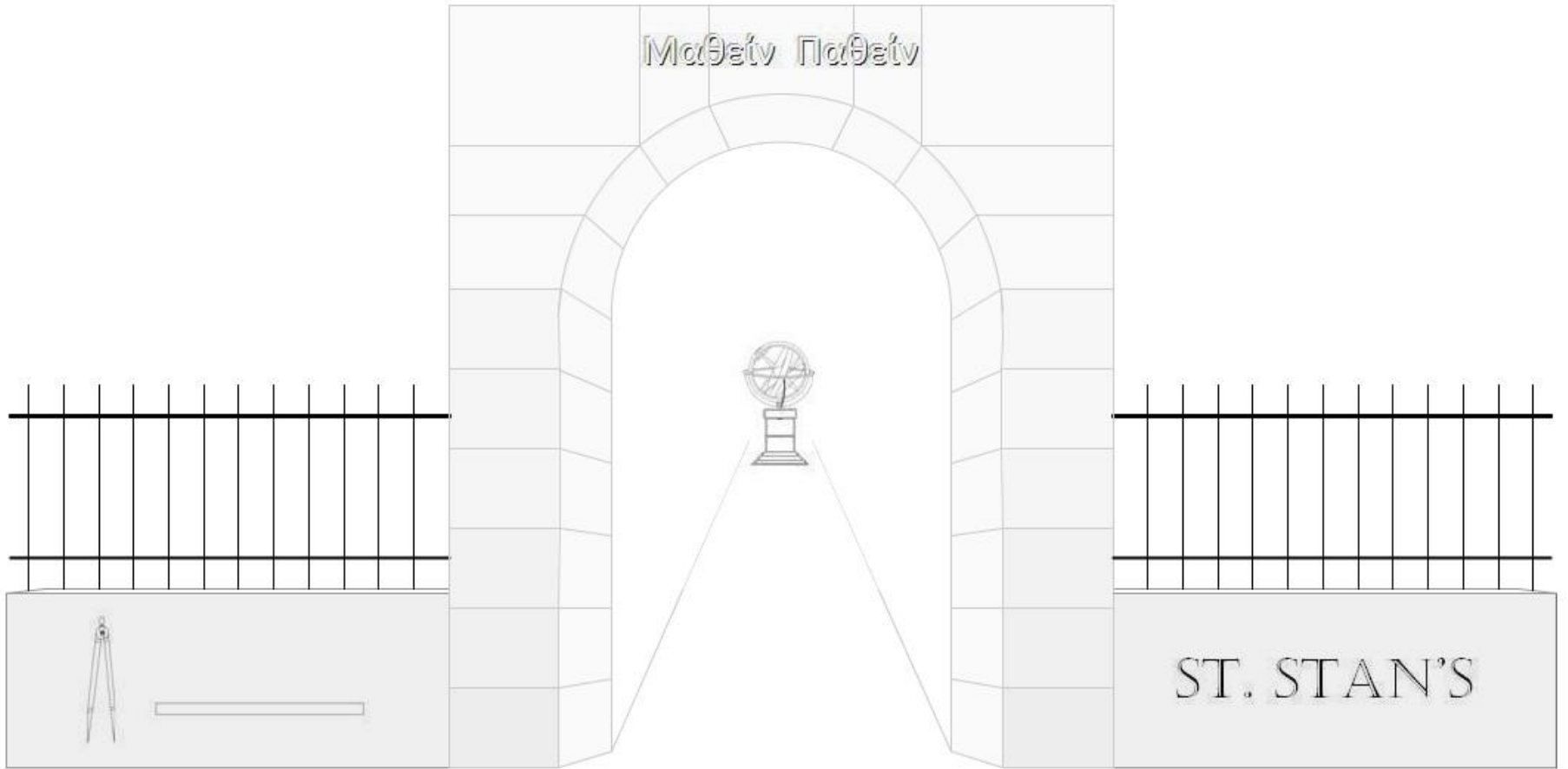
When our only child was halfway through third grade, he approached his mom and me and told us he was ready to go to a school that could facilitate his keen interest in learning. Fortunately, the fates allowed that to happen. His new private school allowed me to work with a small group of bright-eyed kids both during and after school to encourage their math abilities and interests. I advanced grade by grade with these kids. It was one of the most rewarding times in my career.

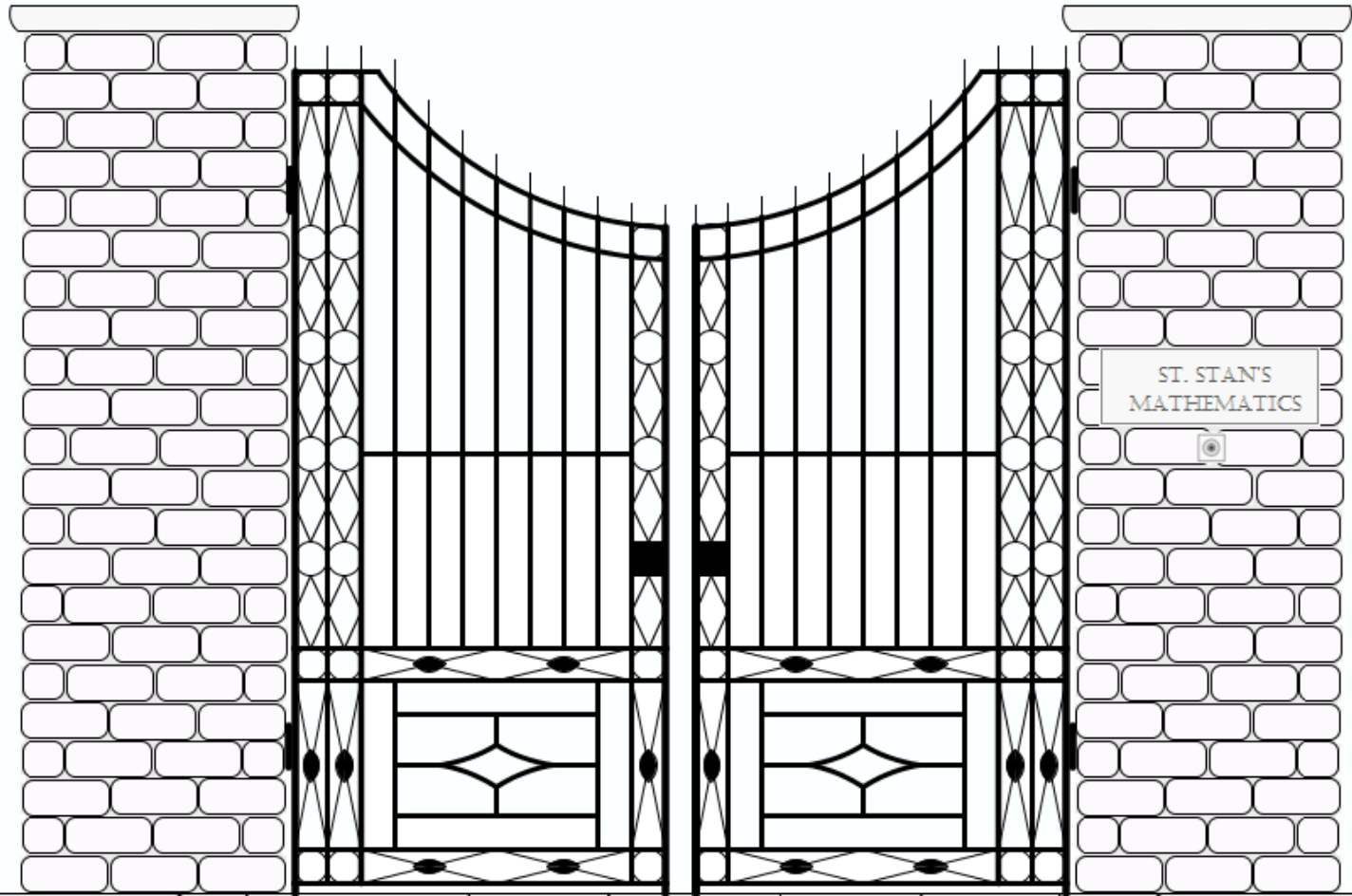
I created a website for these kids that included links to highly creative freely available online games separated by topics (arithmetic, geometry, algebra, logic, number sense, puzzles) which tempted them into sharpening their math skills at home.

I enjoyed creating “art” to decorate this website. I became a big fan of finding ways to create art exclusively with the software Geogebra (which I am still a big fan of). I created all of the following artwork using nothing but Geogebra. That is, each line and curve is a math function brought to the screen using this software.

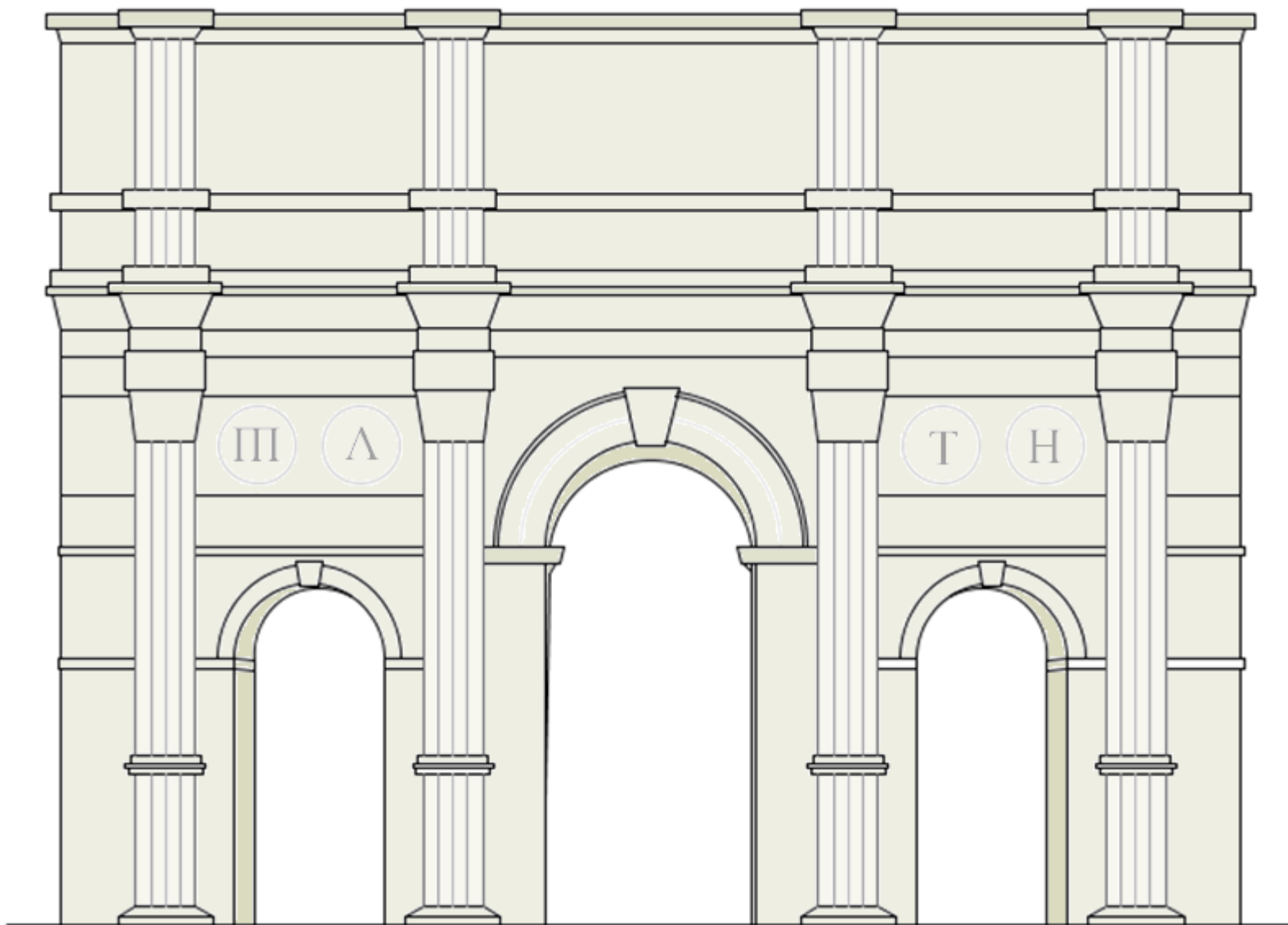
Some of these webpages allowed the kids to use “sliders” to make their own art. Some pages could be activated to create a demonstration. At one point the good people at Geogebra honored my request for a version of their program with the extra memory necessary to keep track of the many hundreds of variables some files required. I want to thank them for that.

My goal was not to create fine art. It was to create bright colored images that would excite grade school children to keep clicking their way through the website and to keep finding new ways to expand their thinking.





ST. STAN'S
MATHEMATICS





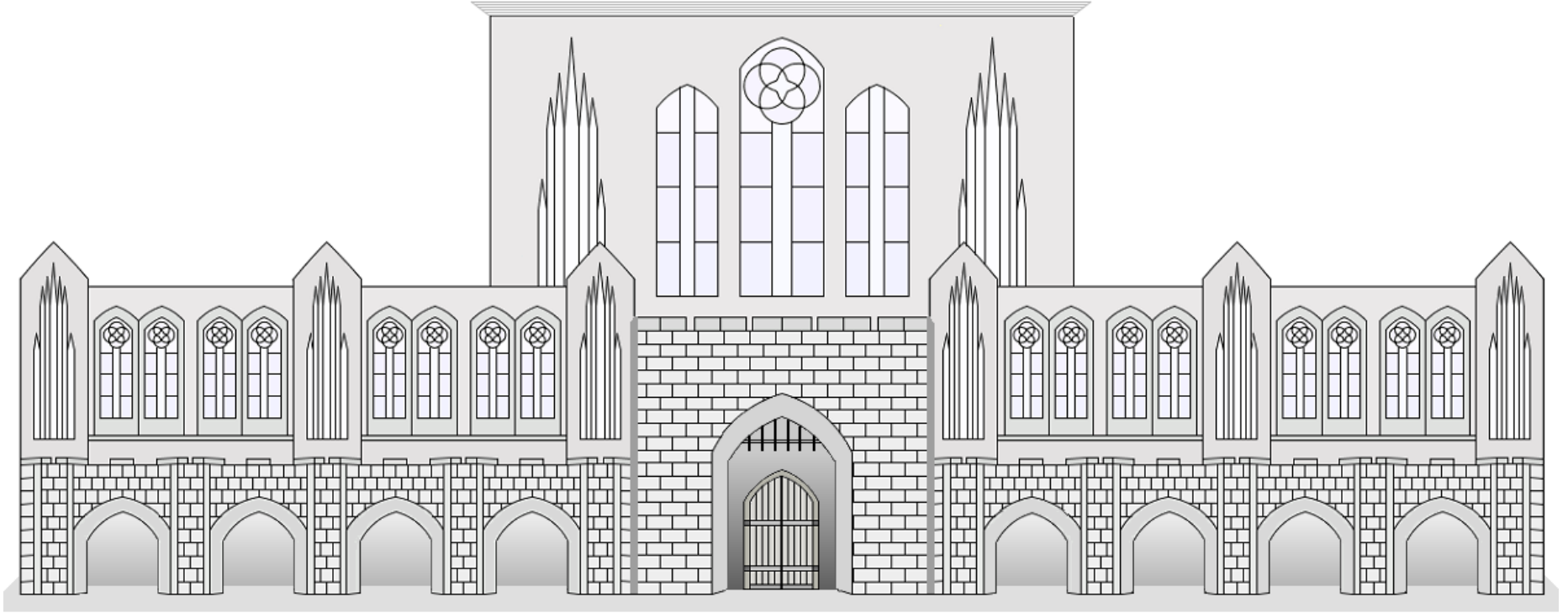




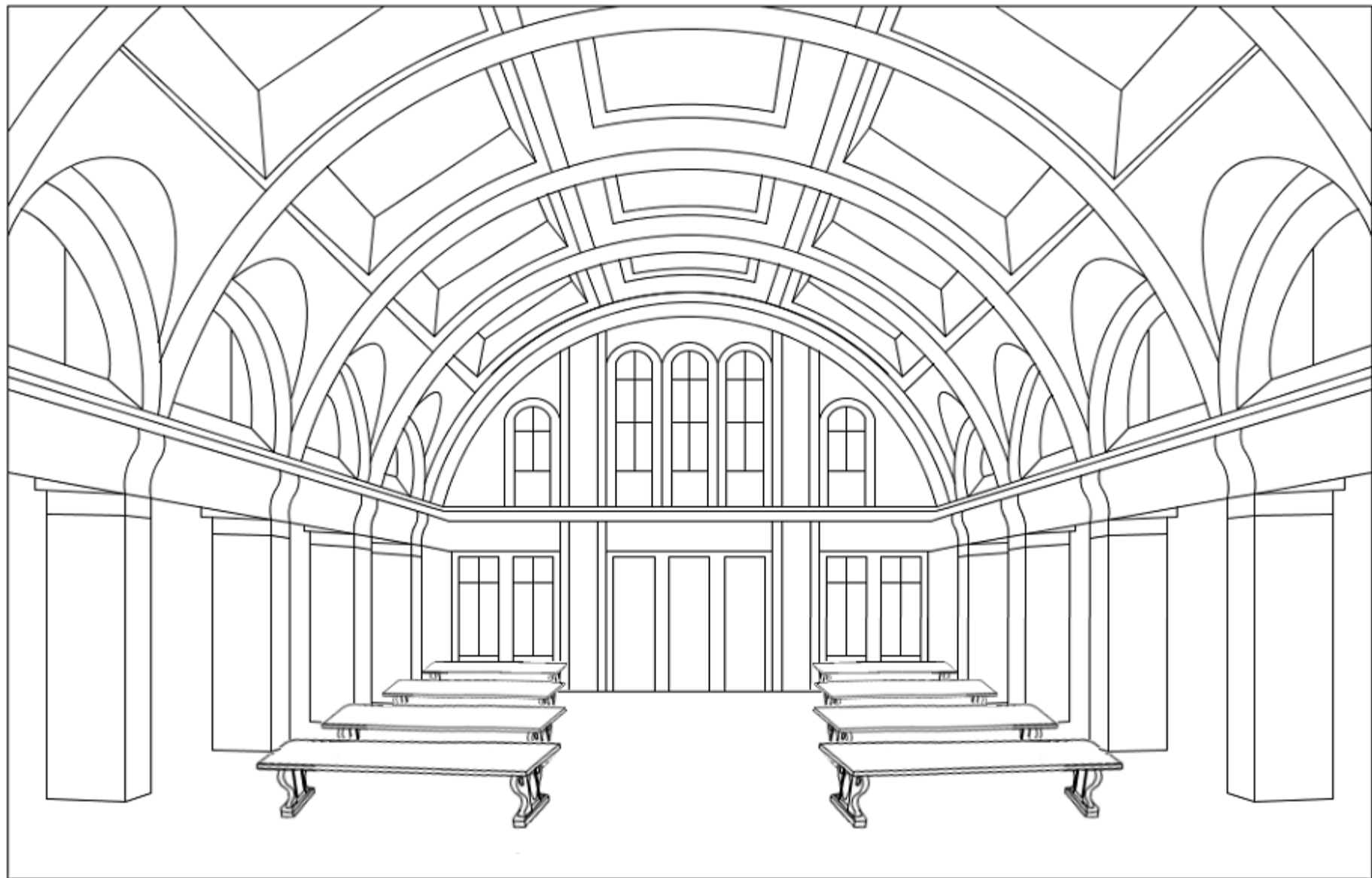


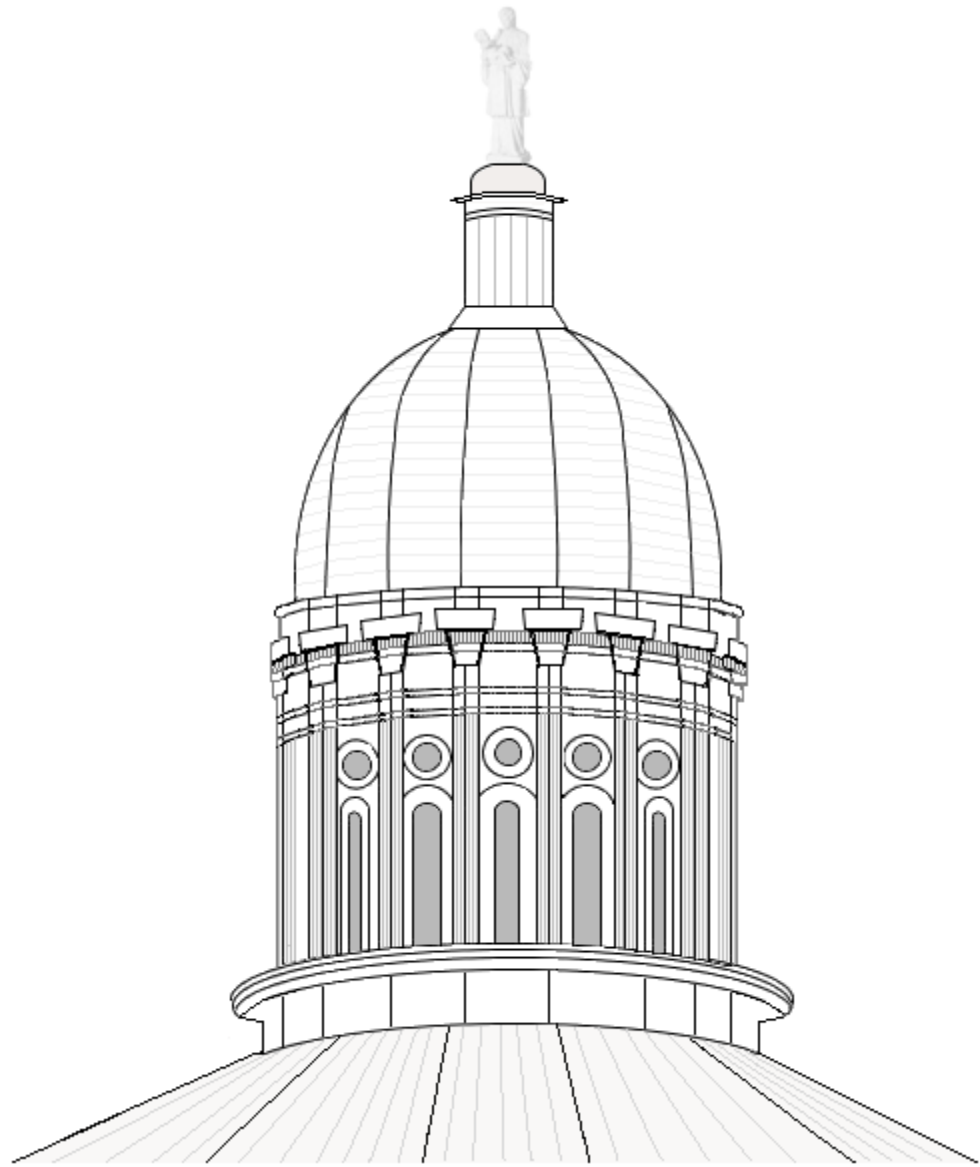












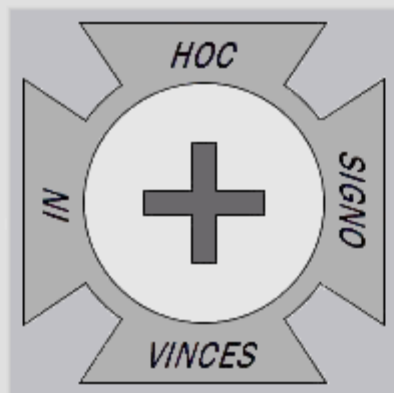


Rose window on the north side of St Stan's

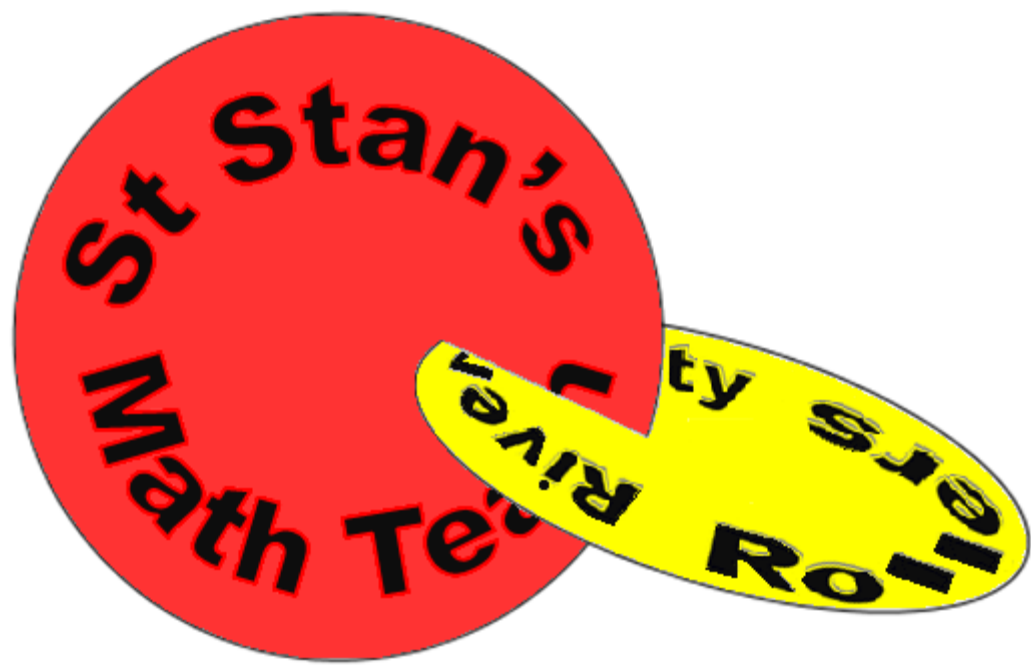
SAINT STAN

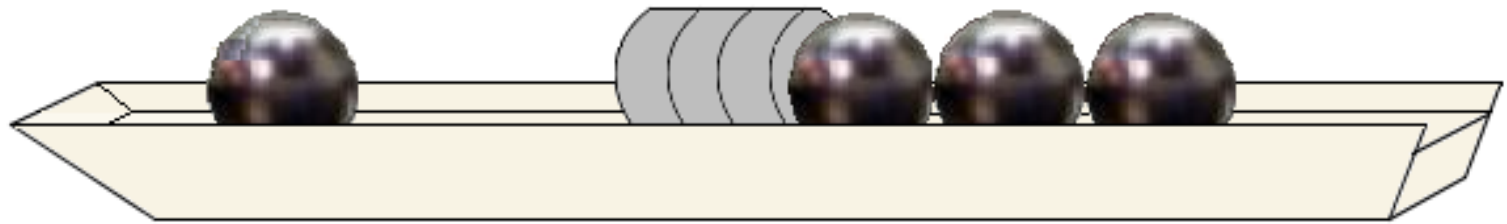
Mathletes

Saint Stan's



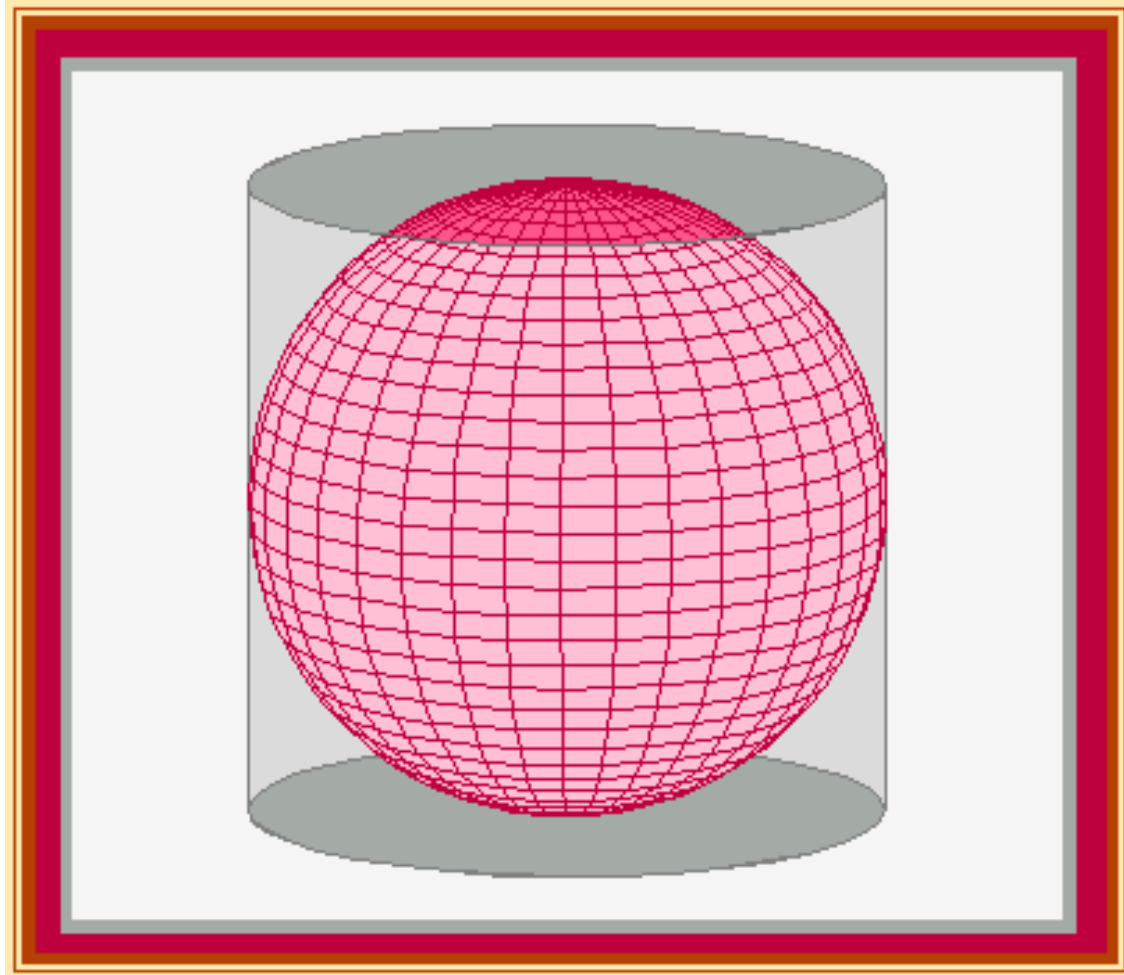
Math Team

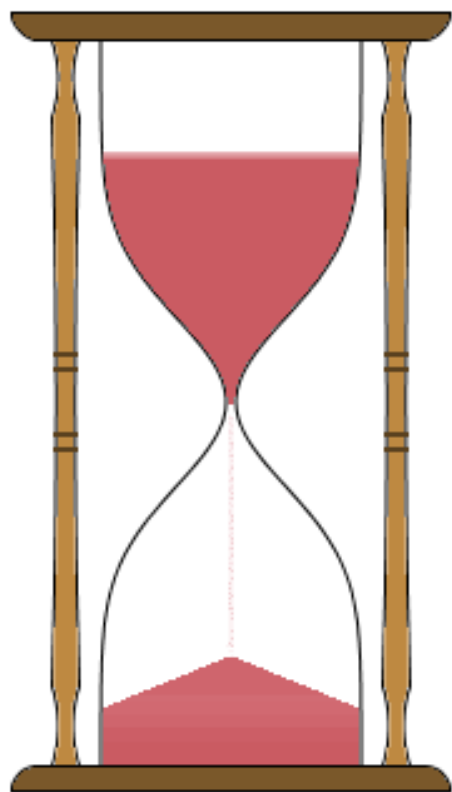


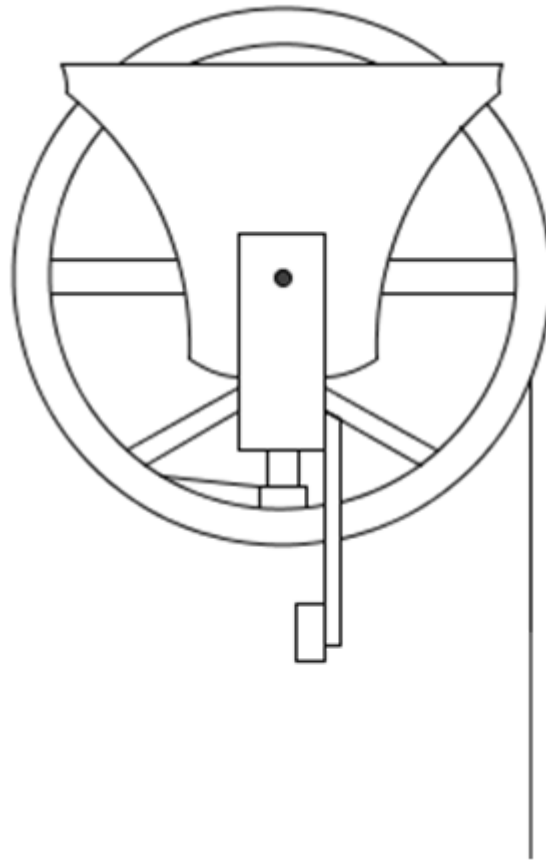


GEOMETRY

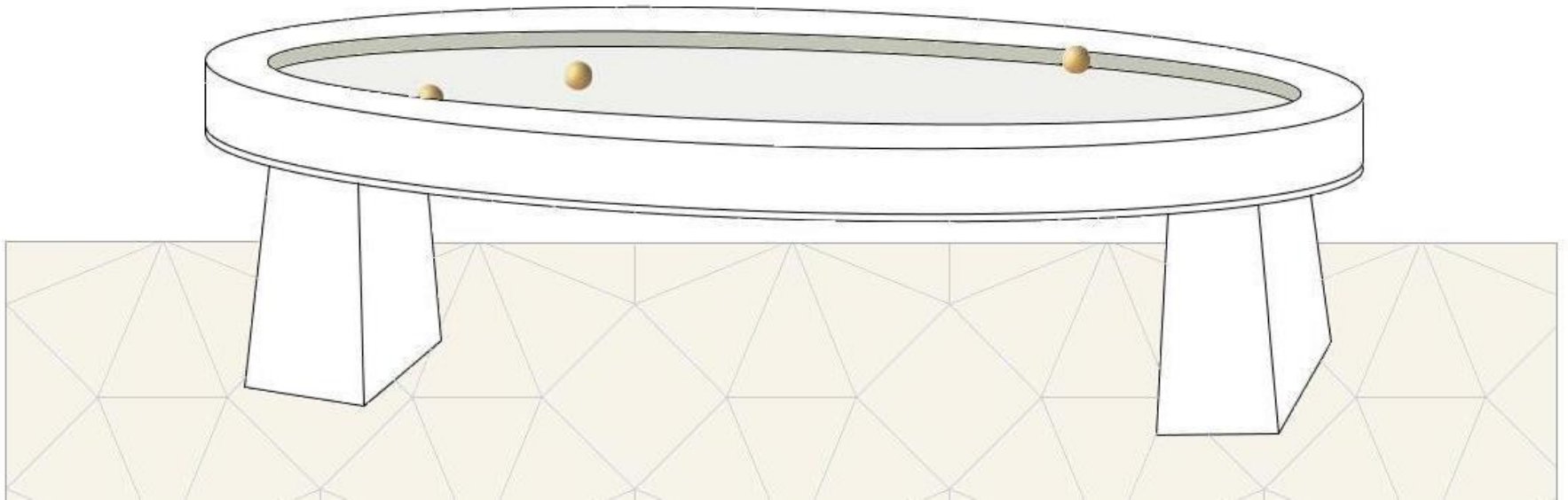
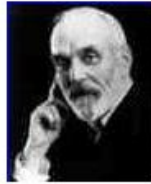


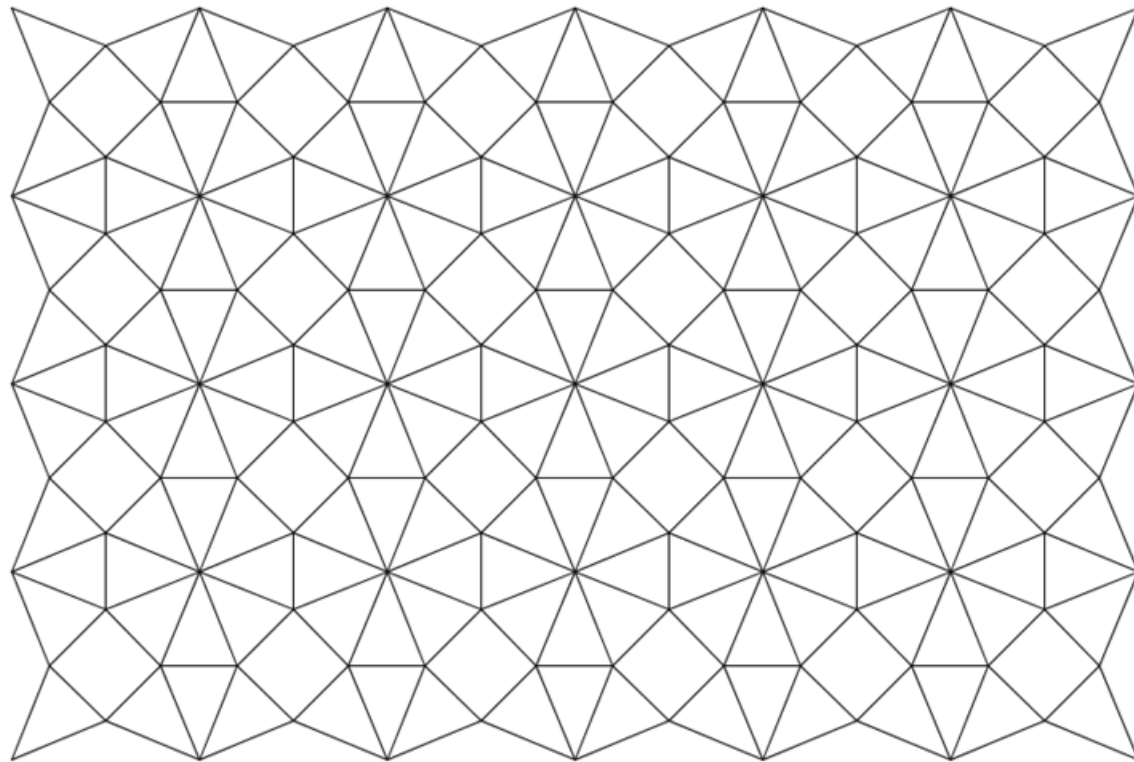


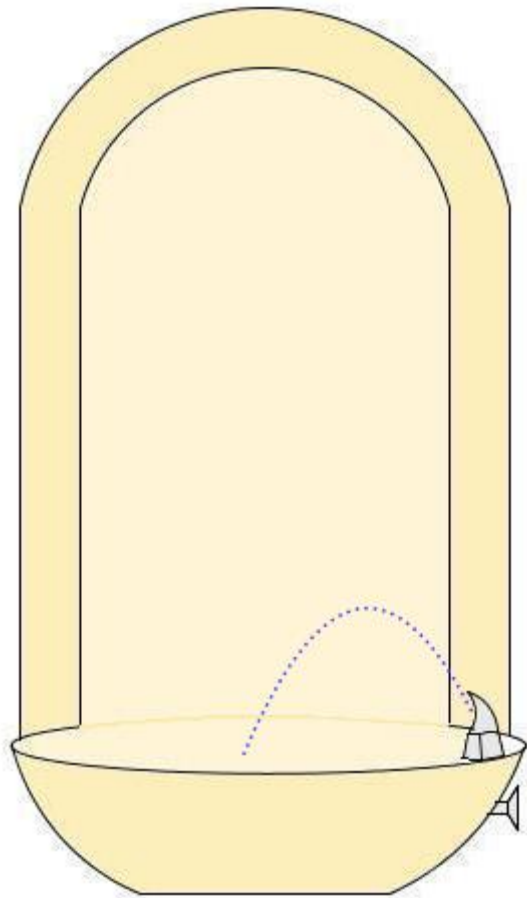


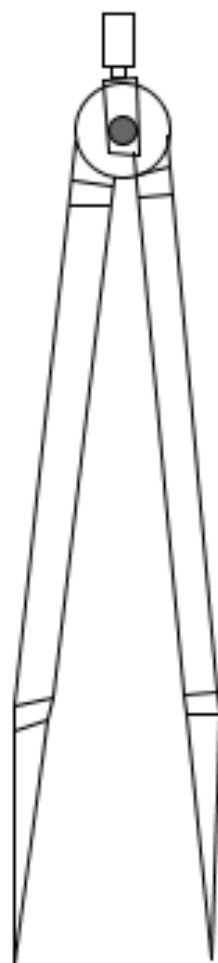


Click to pull
the bell



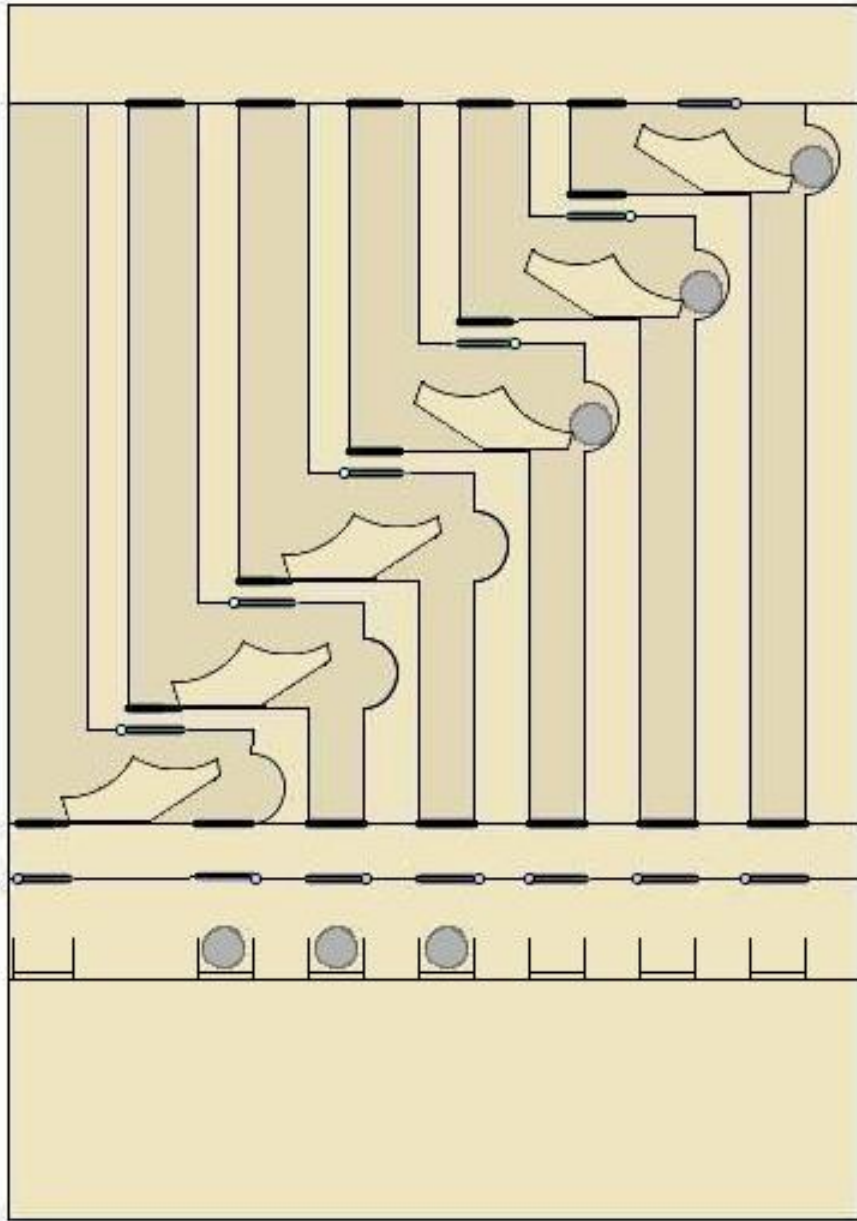




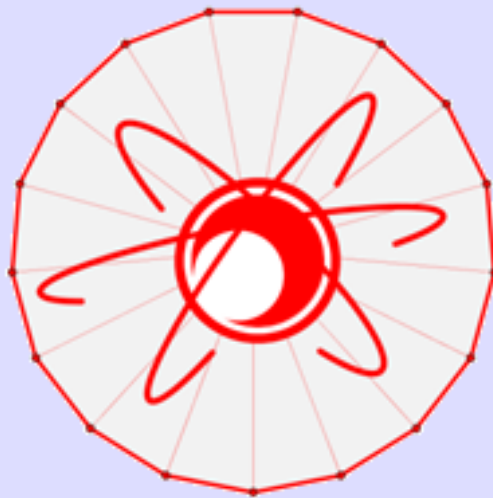




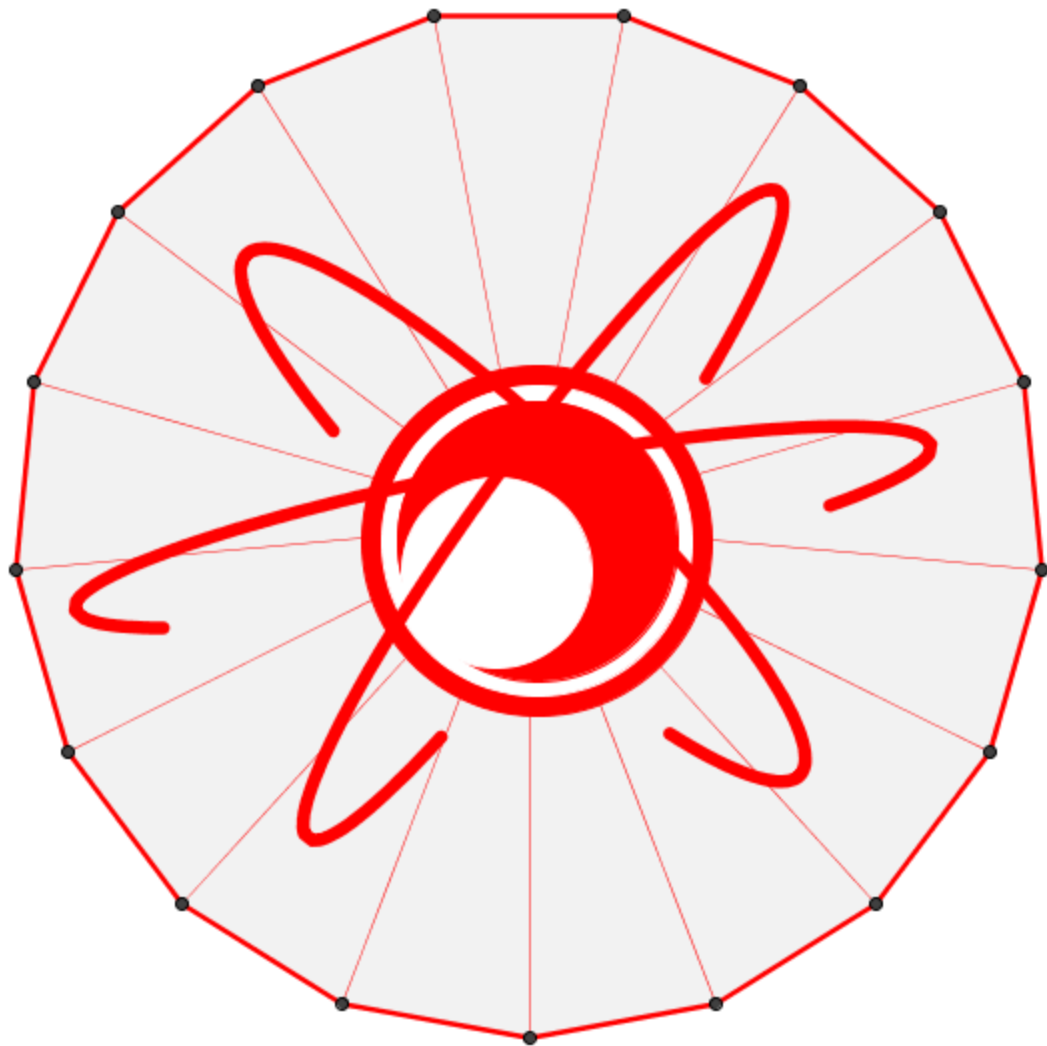
Click to spin the
barber pole

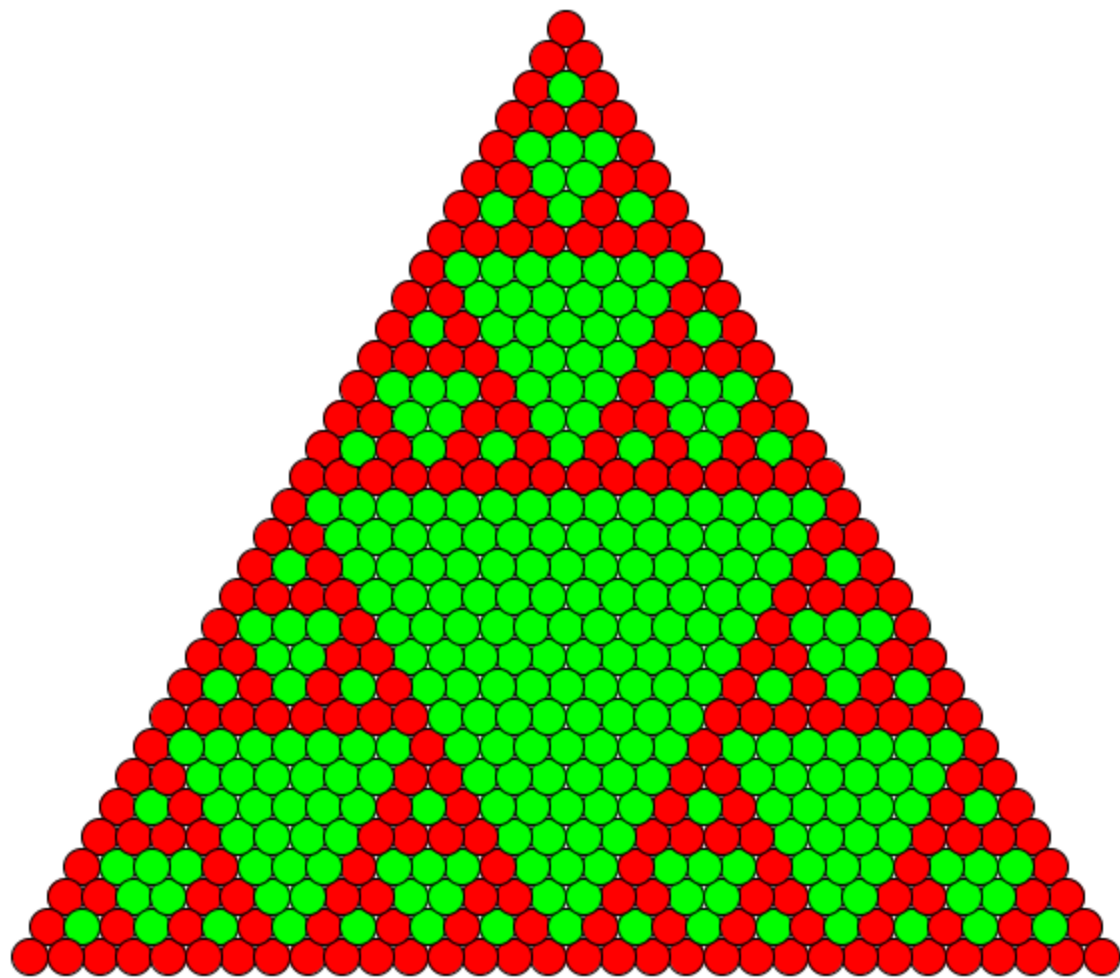


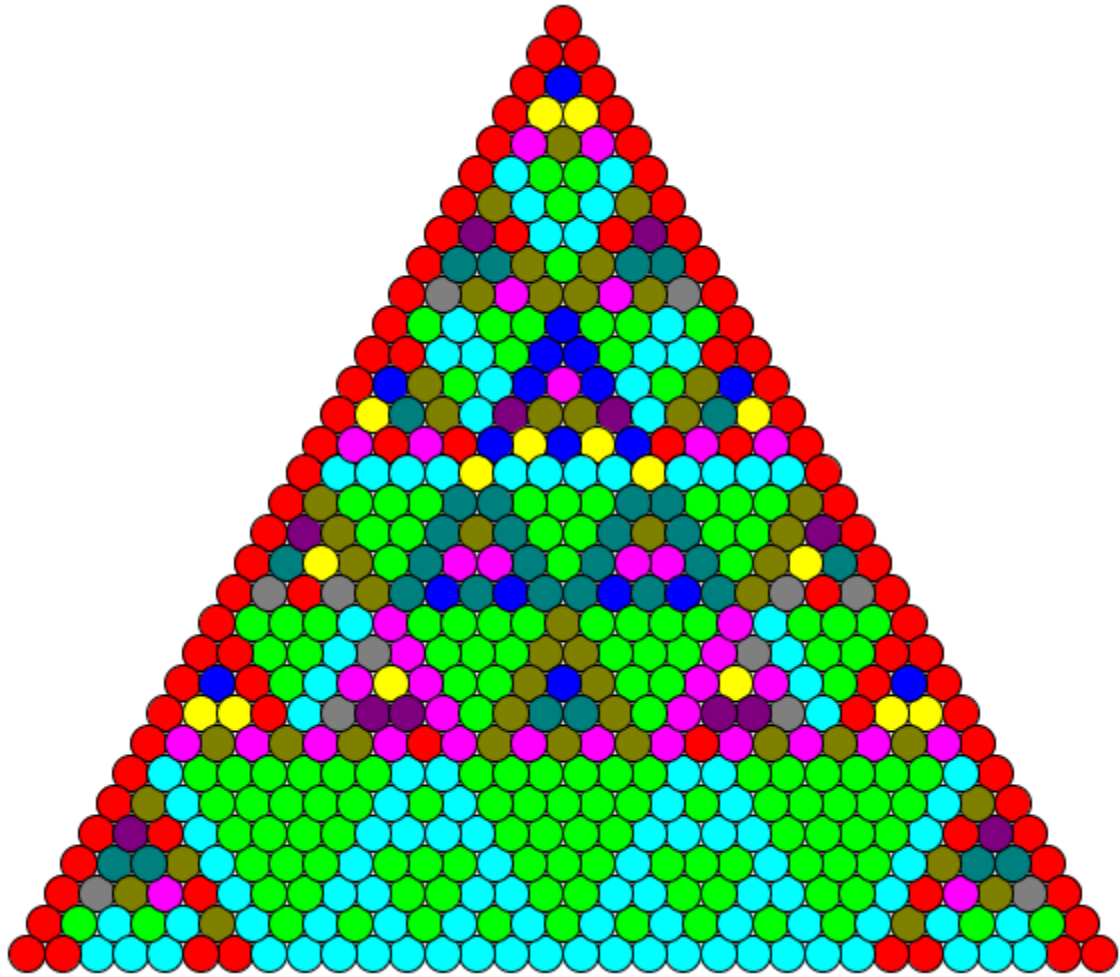
Carl Friedrich



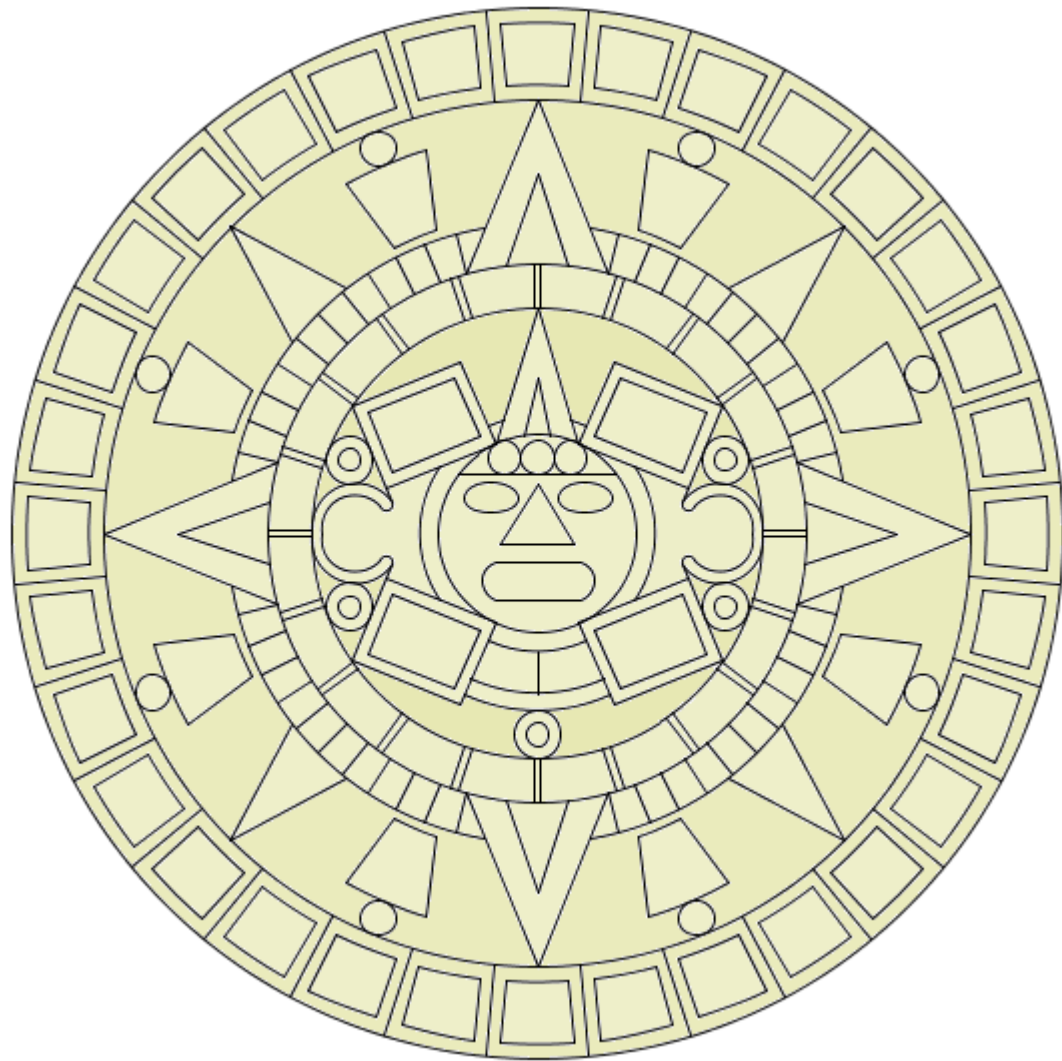
Jungengenie

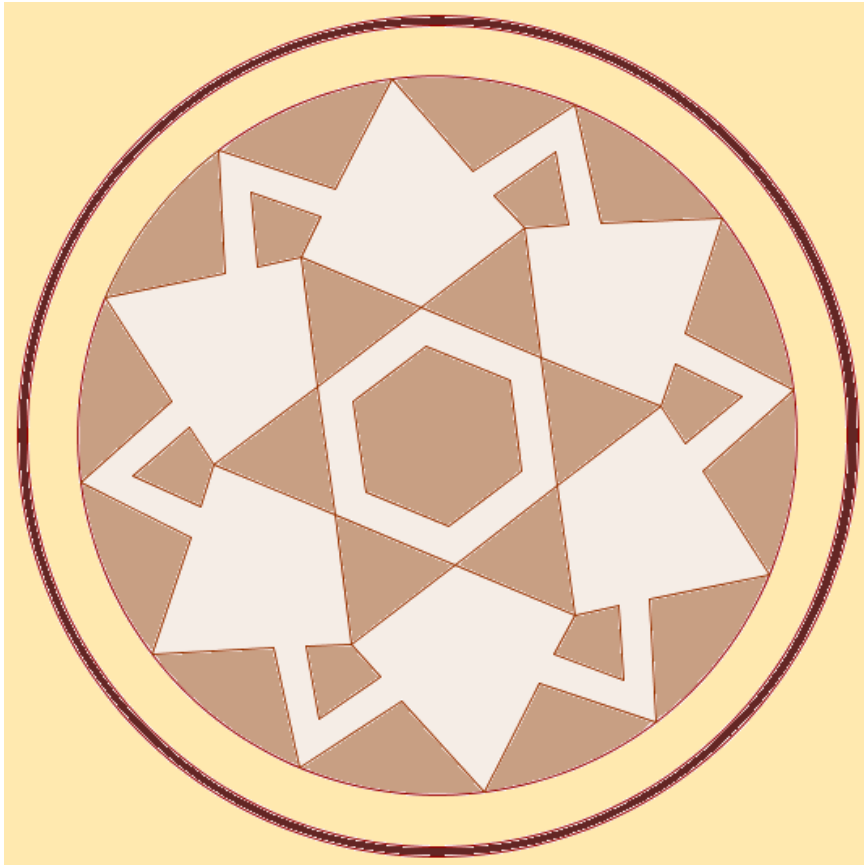


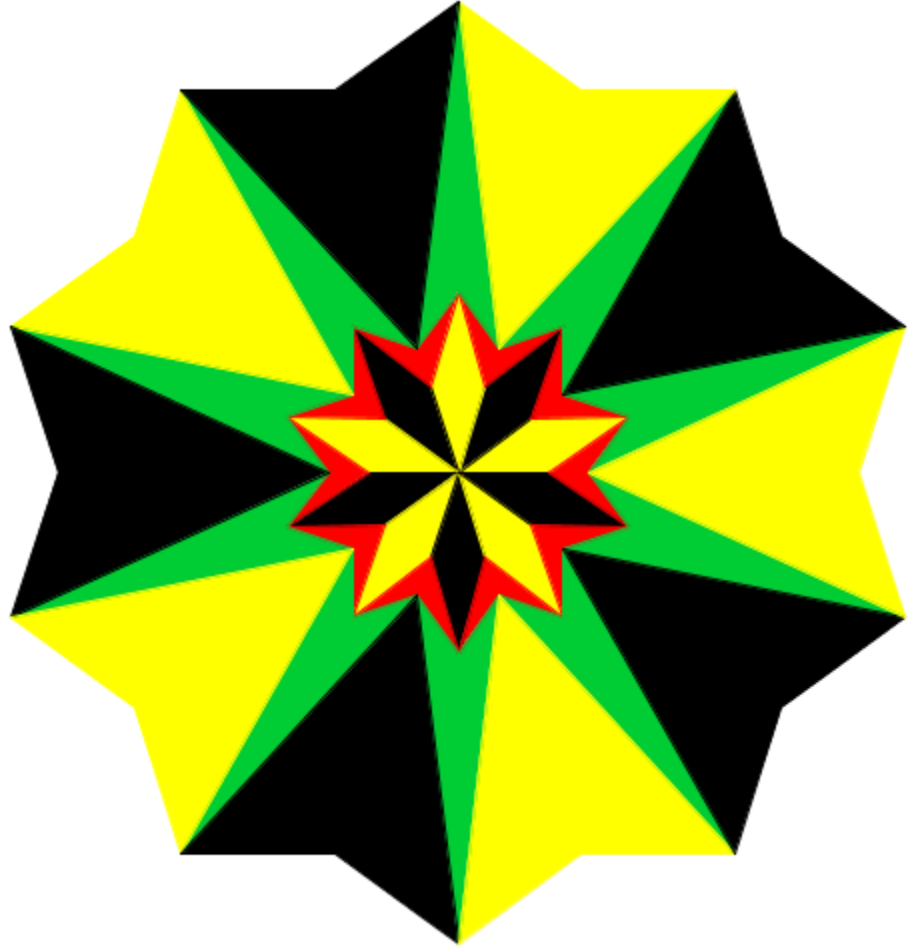


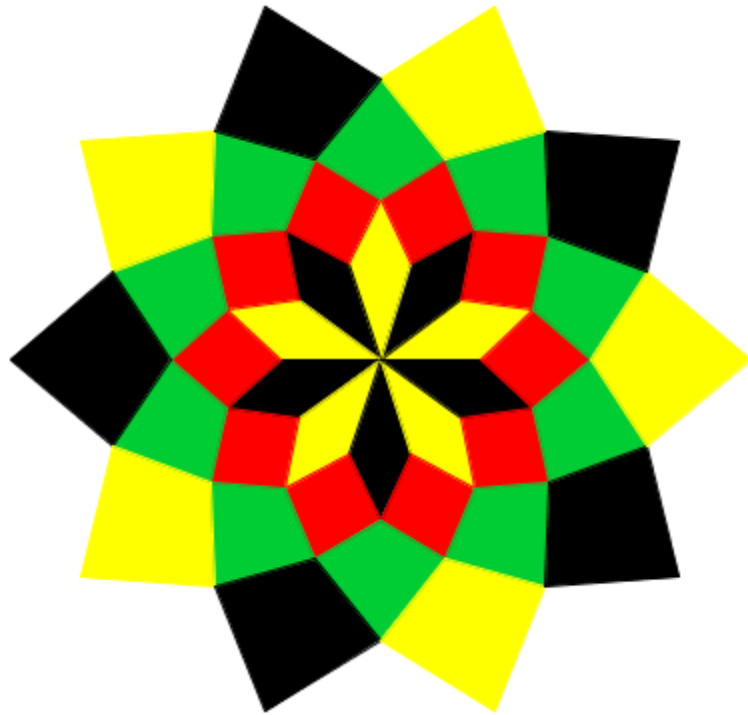


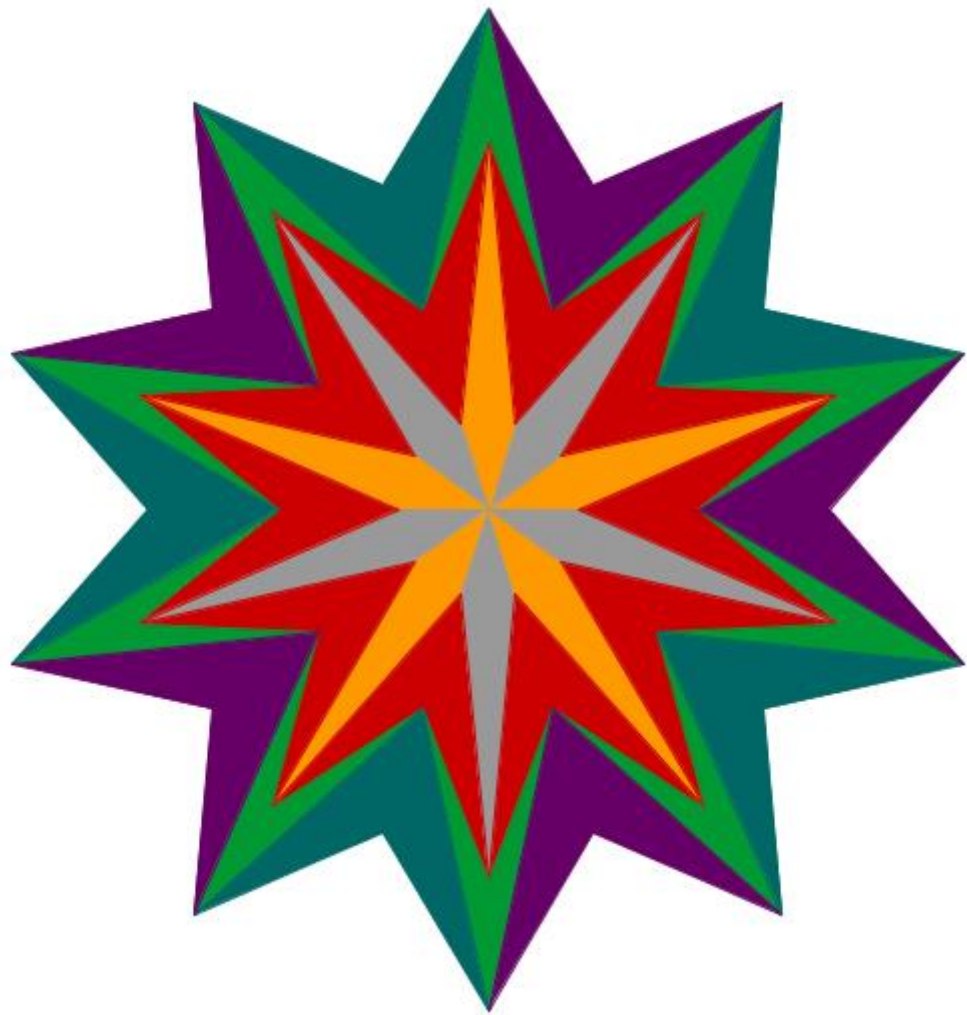
Saint Stan's Art Room

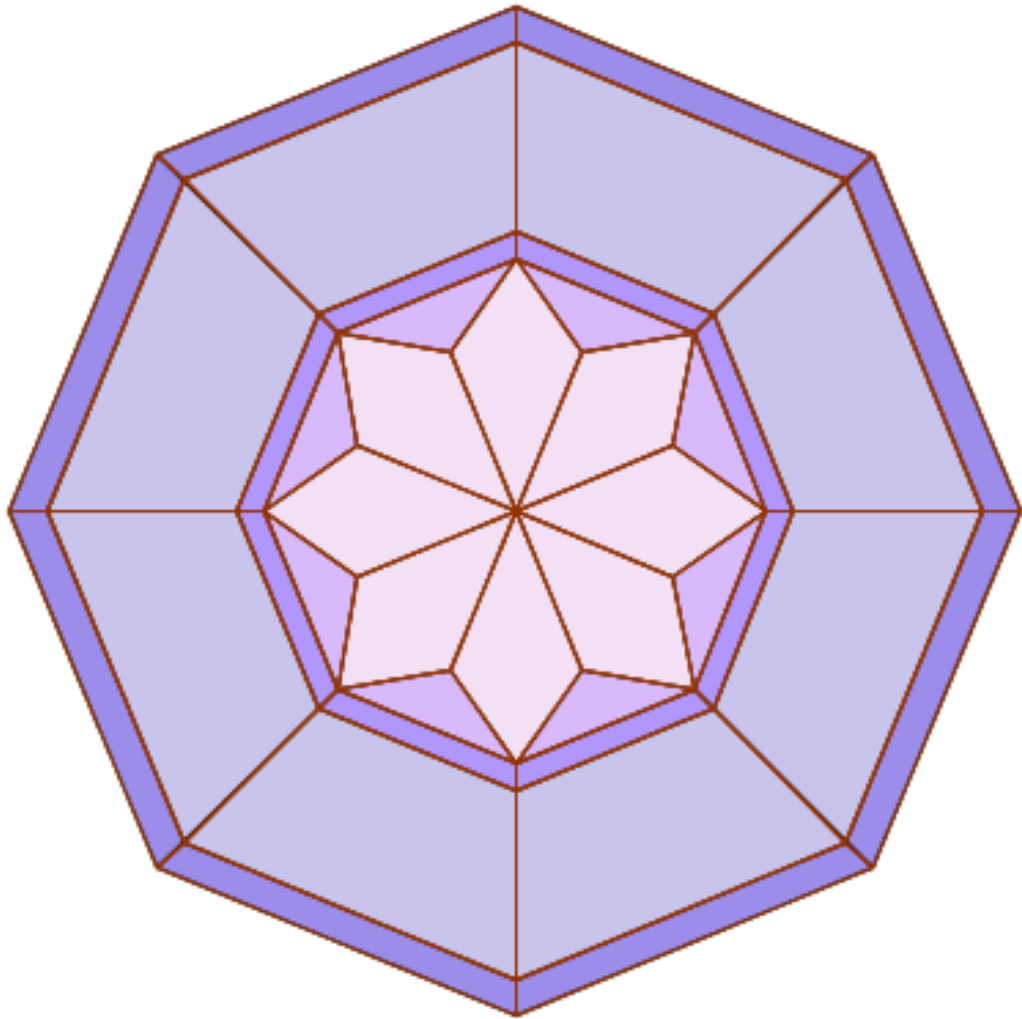


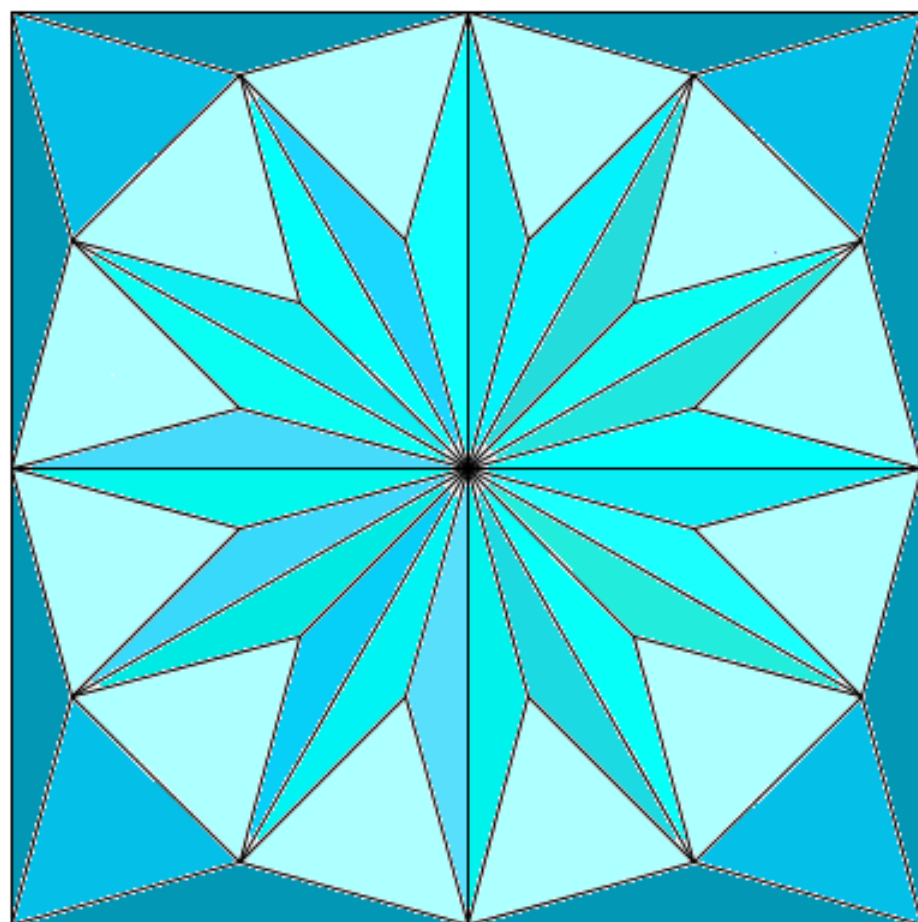


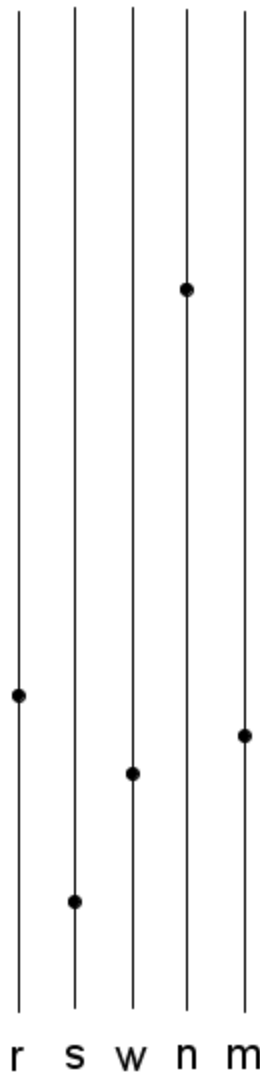




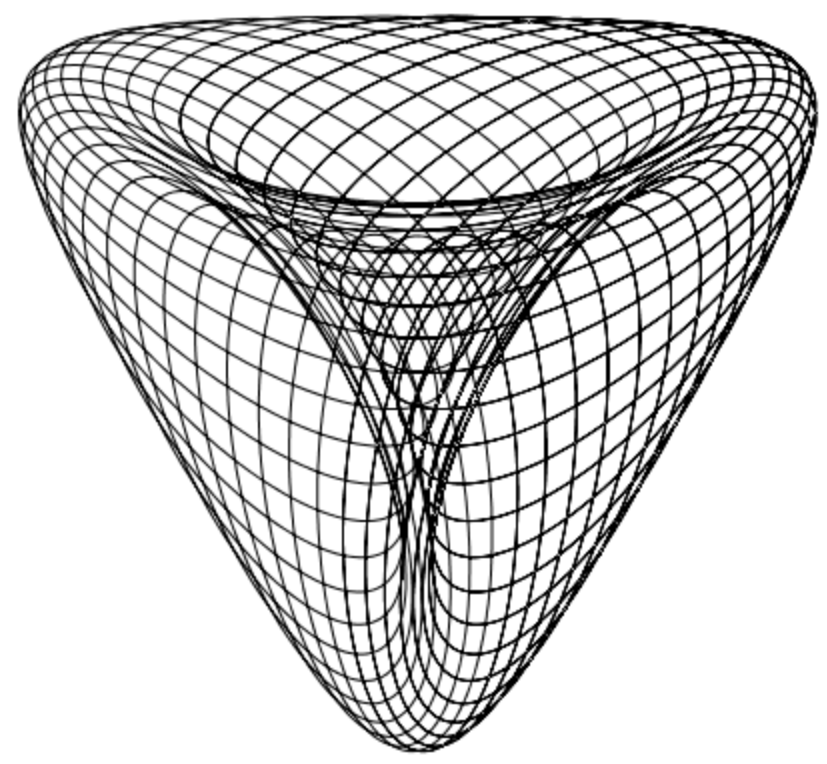


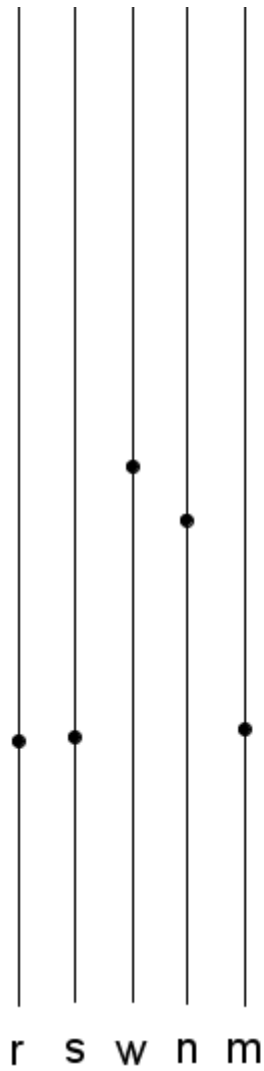




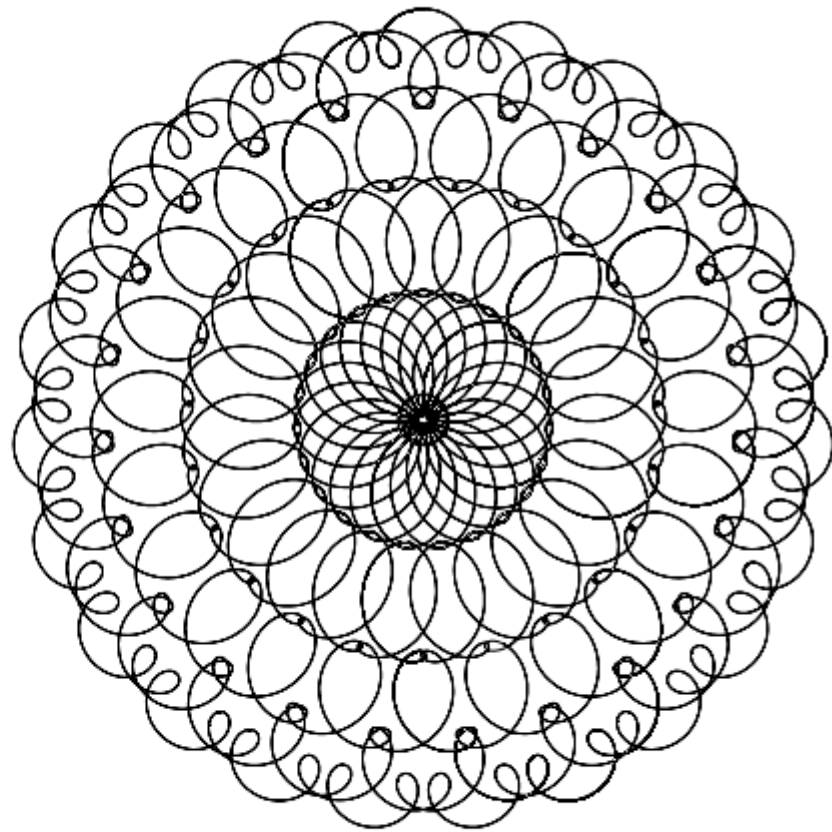


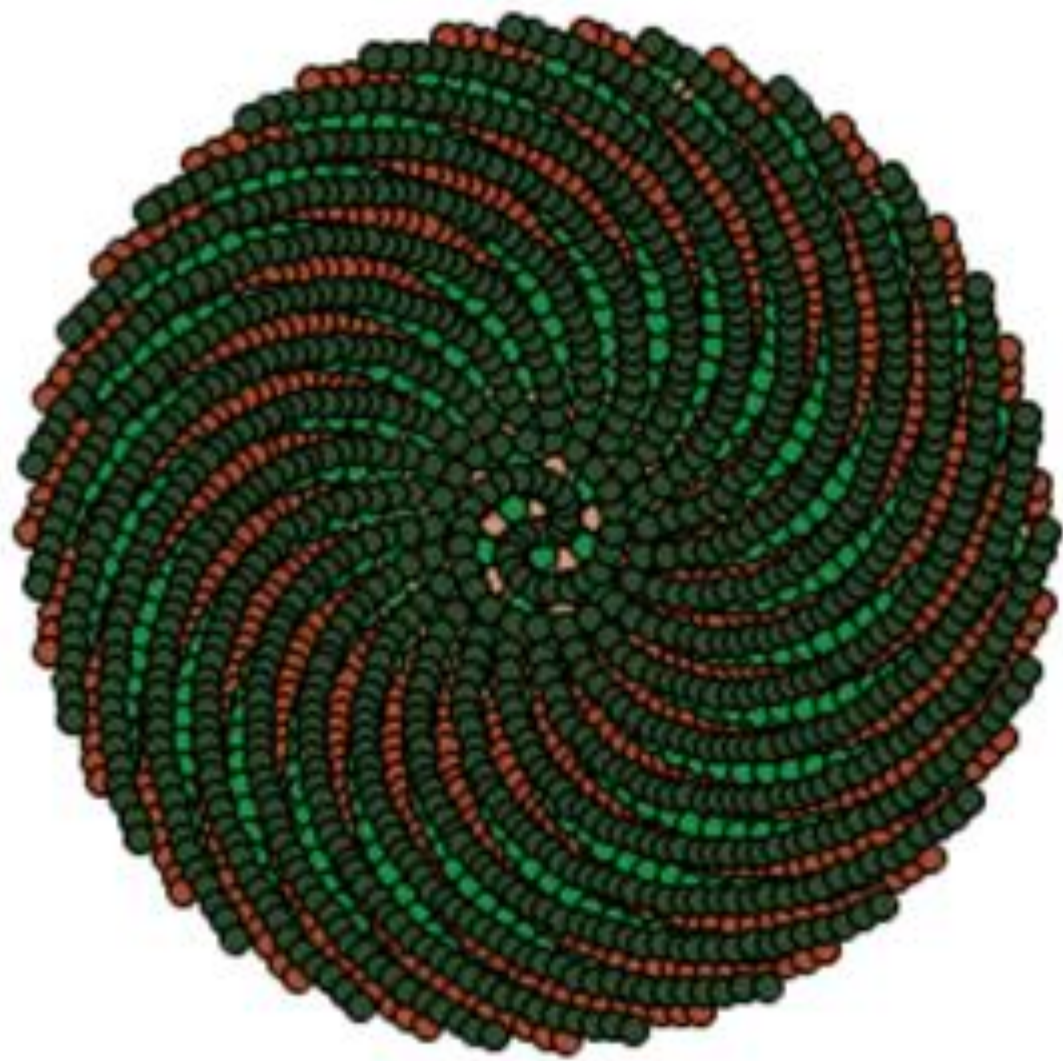
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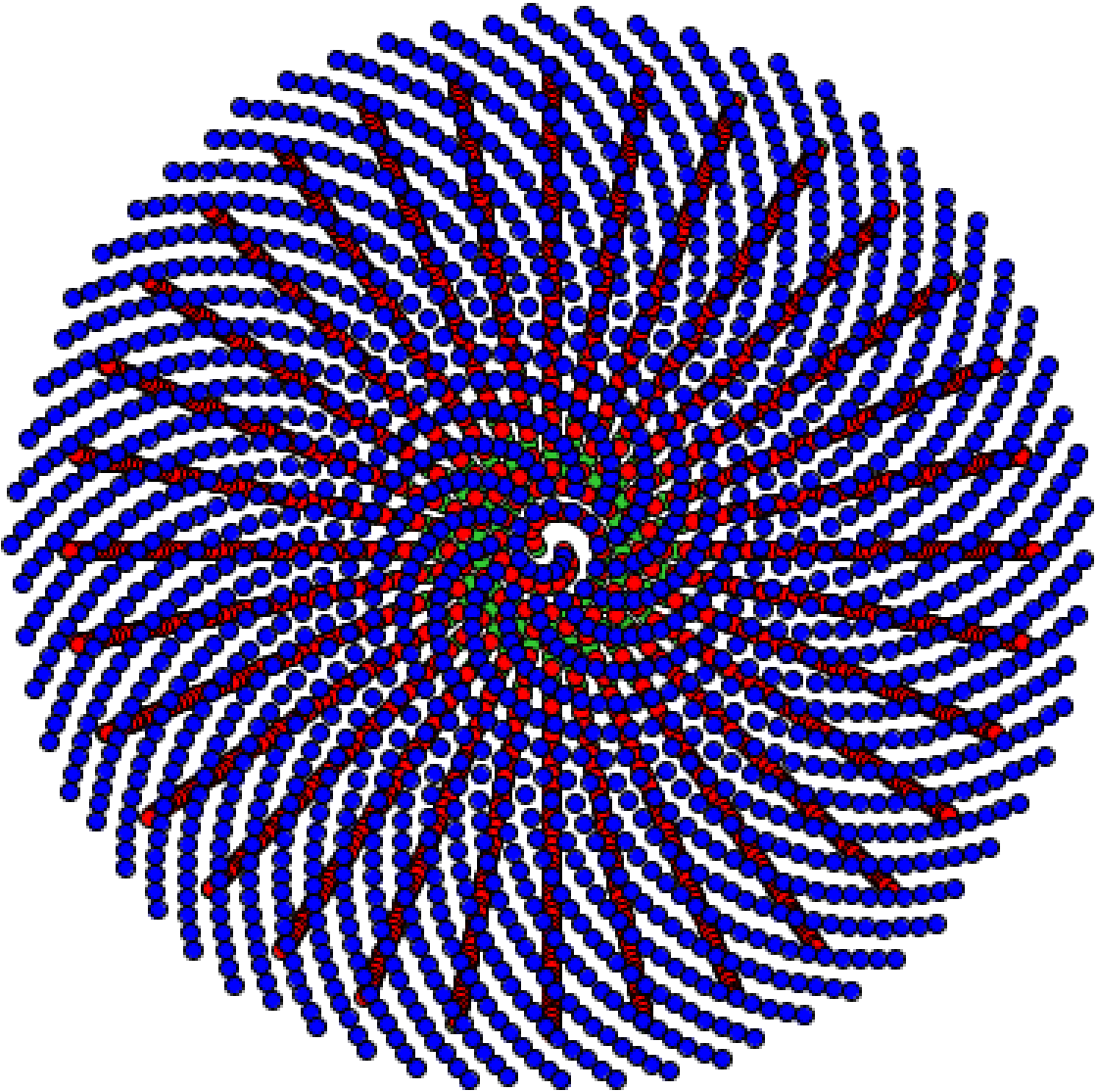


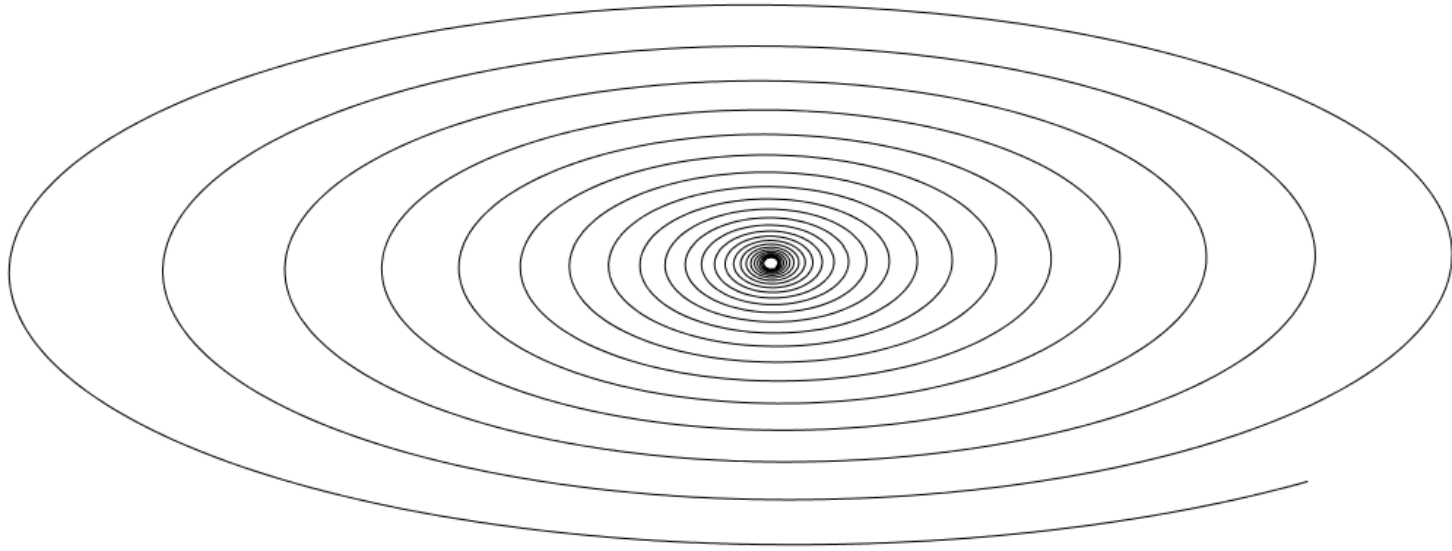


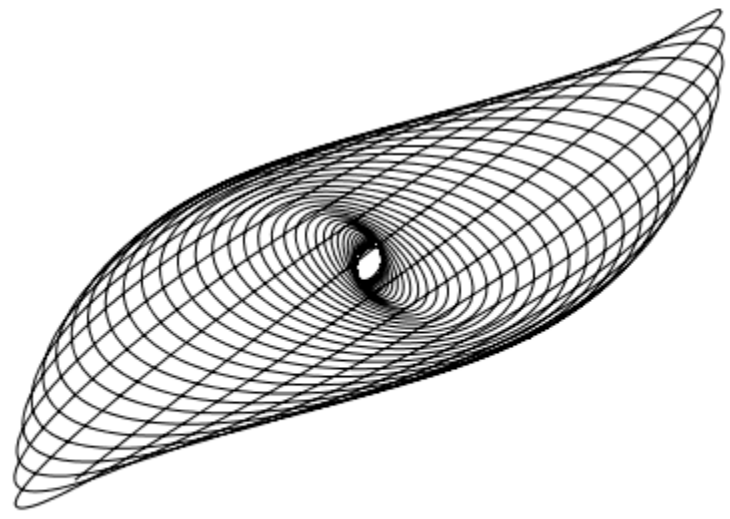
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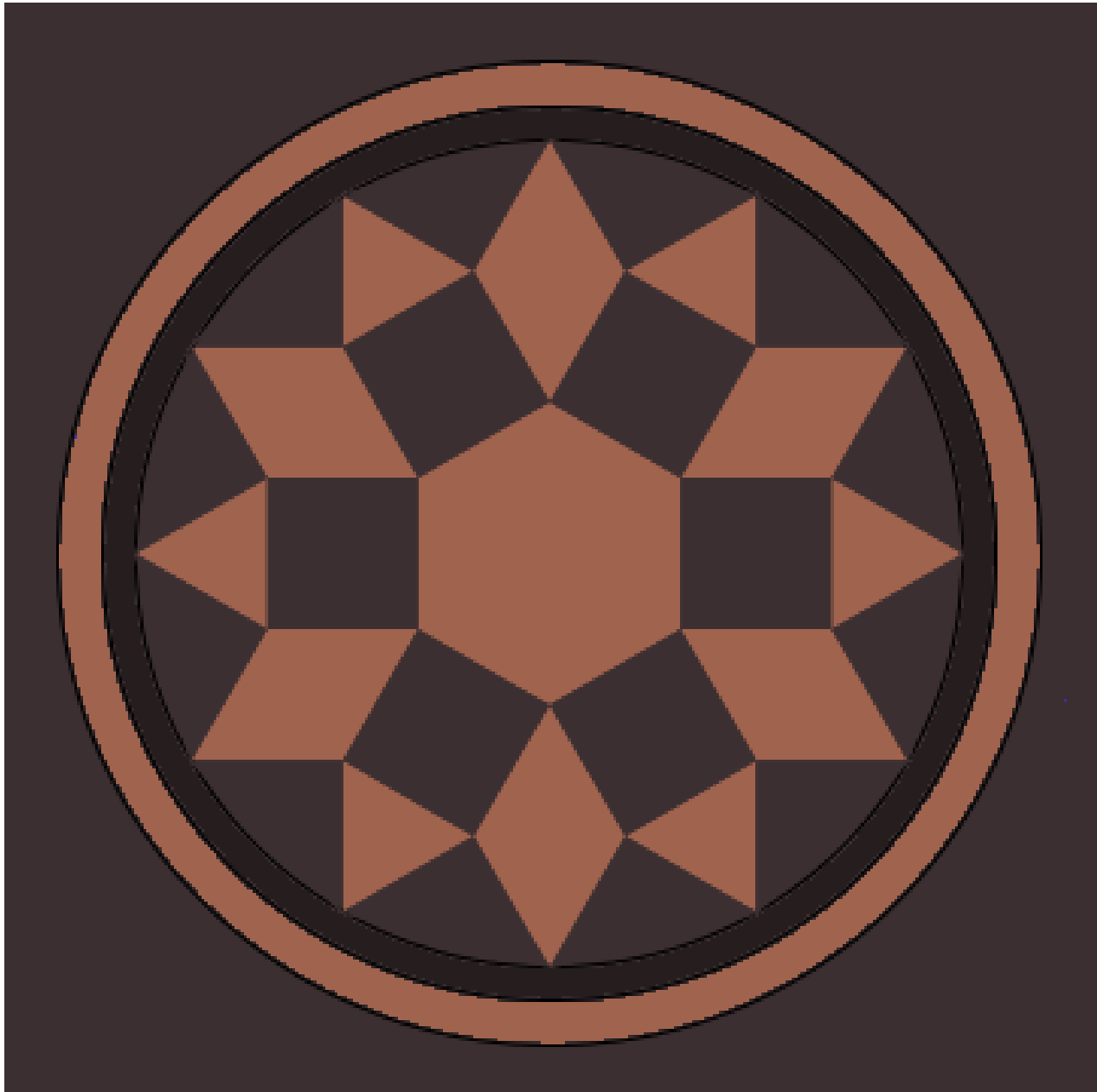


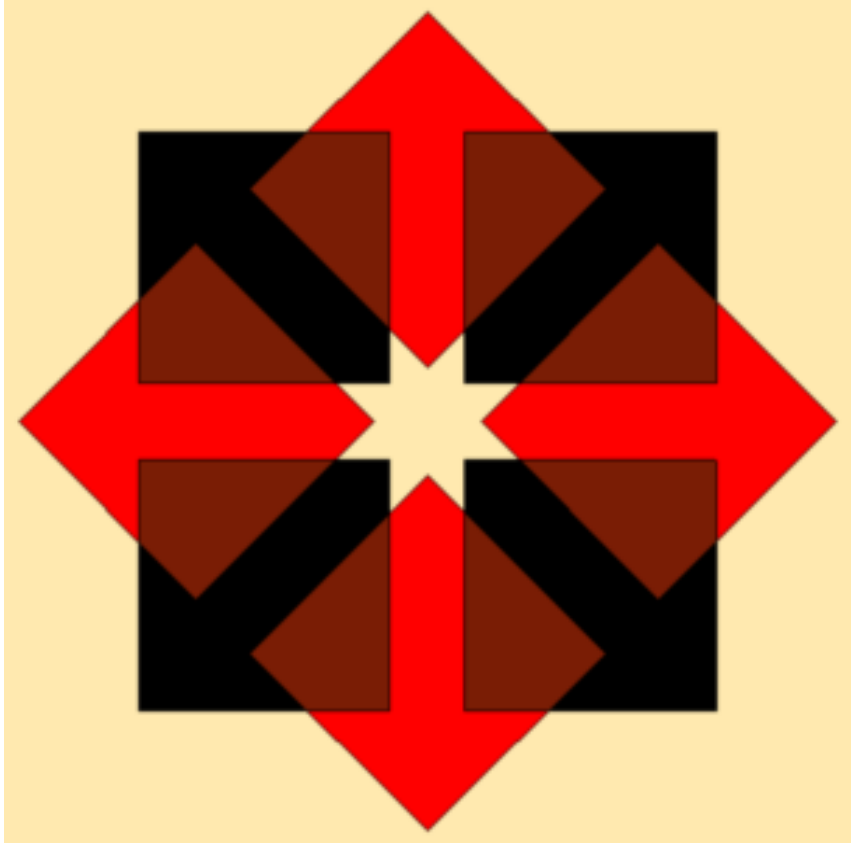


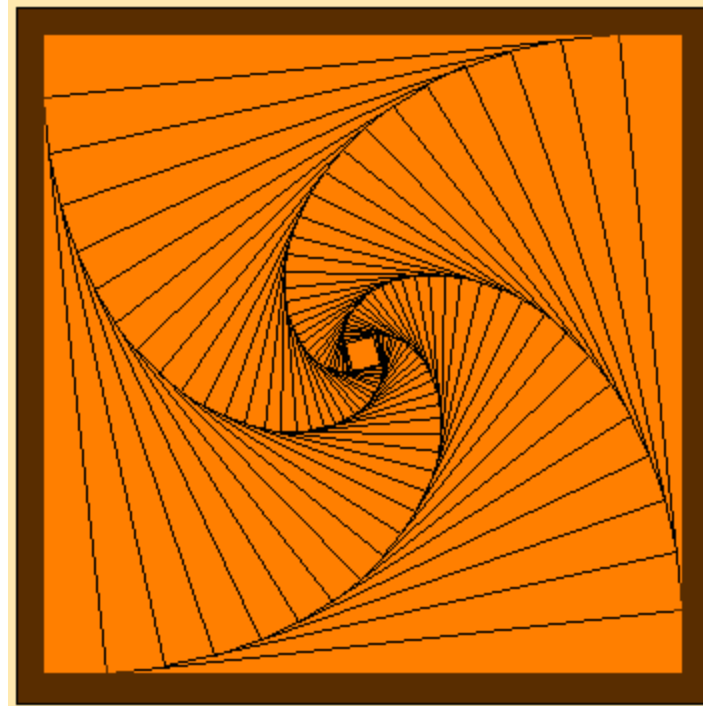


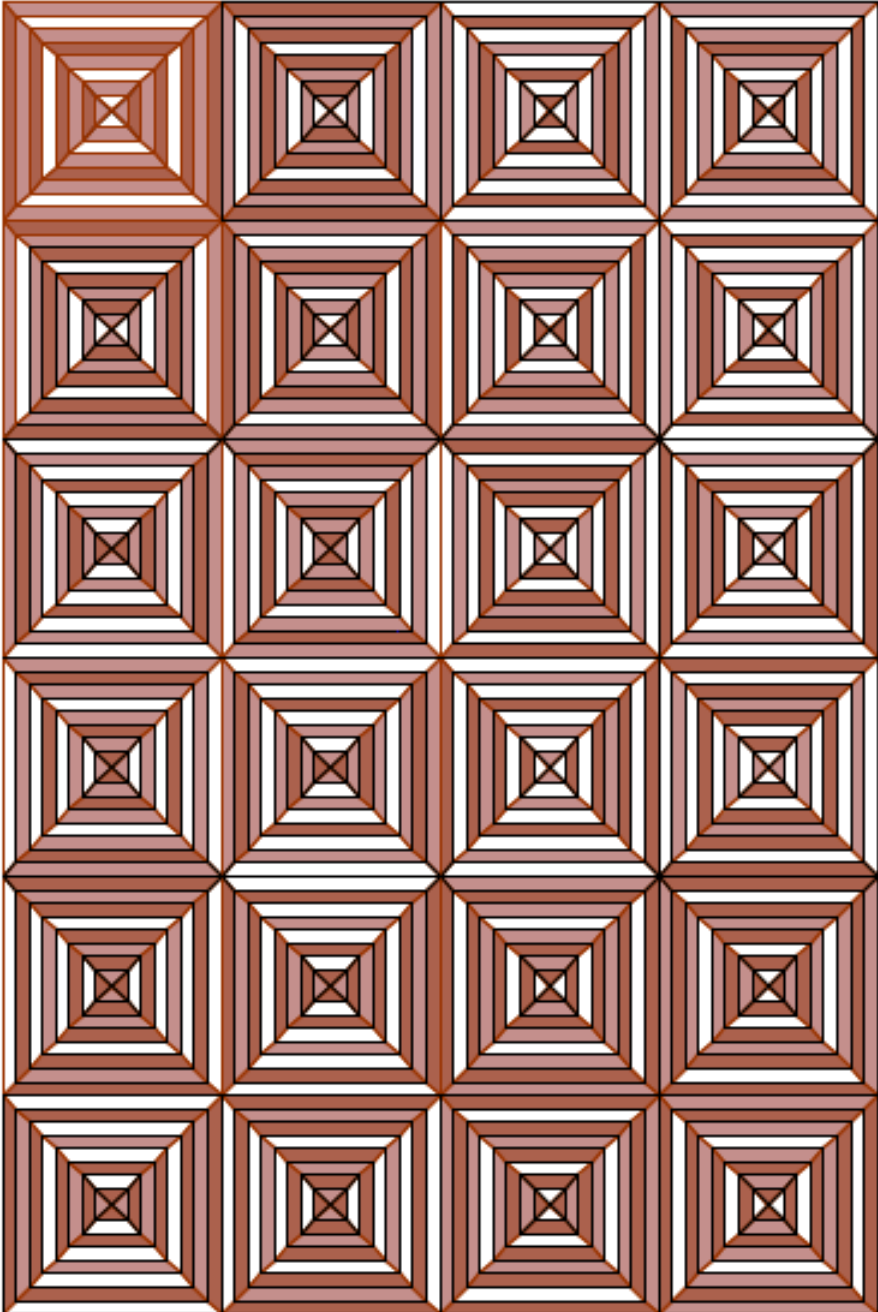


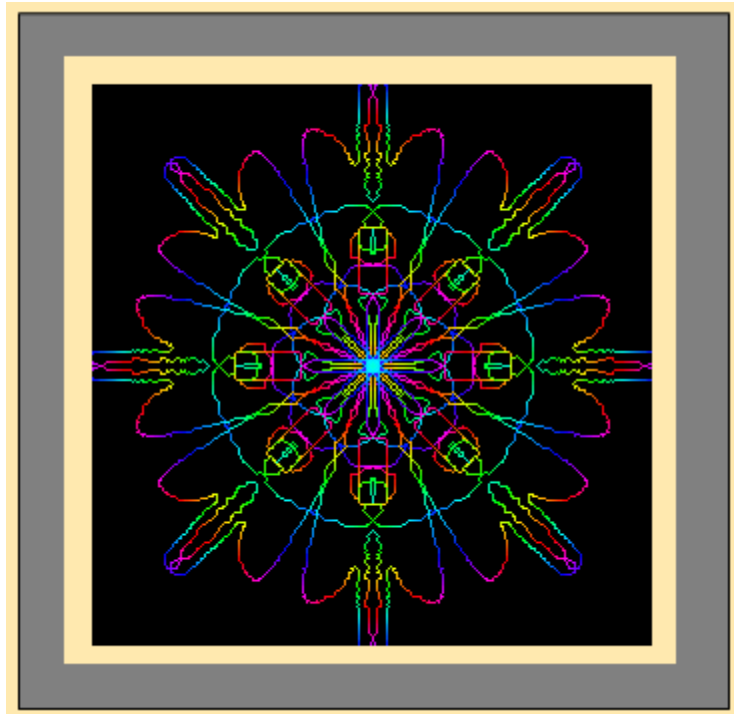




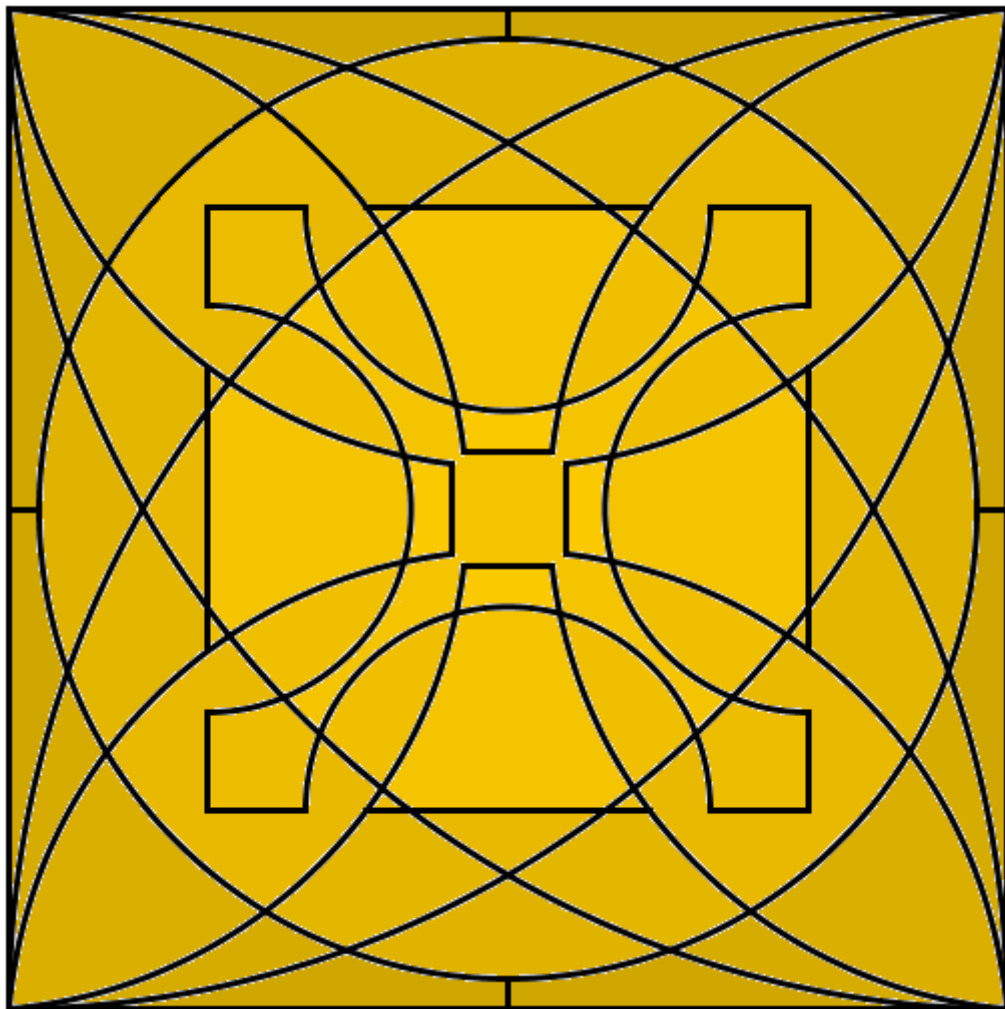


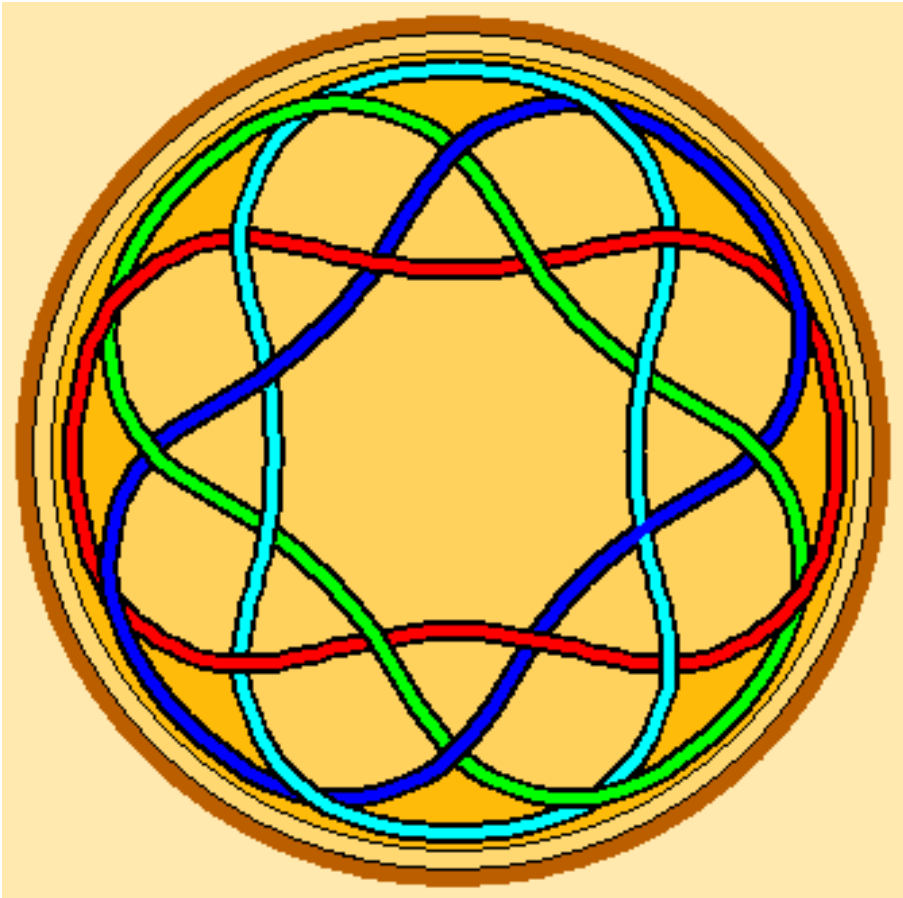




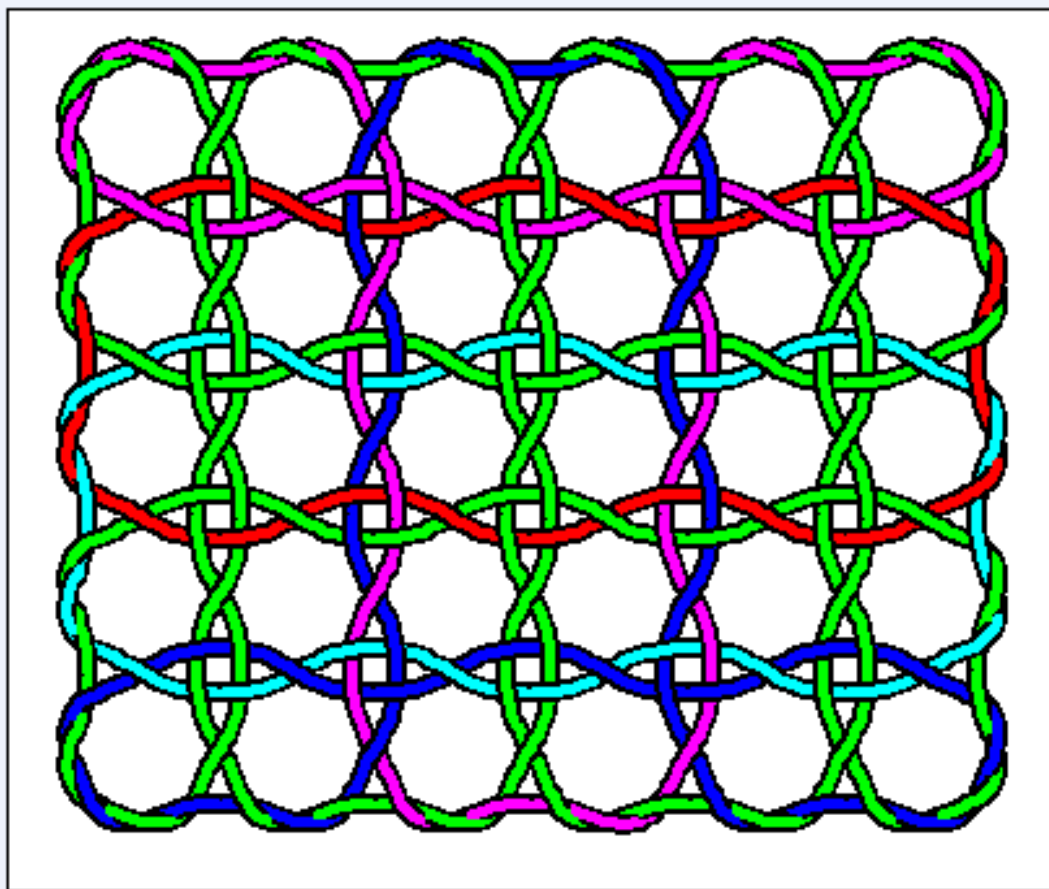


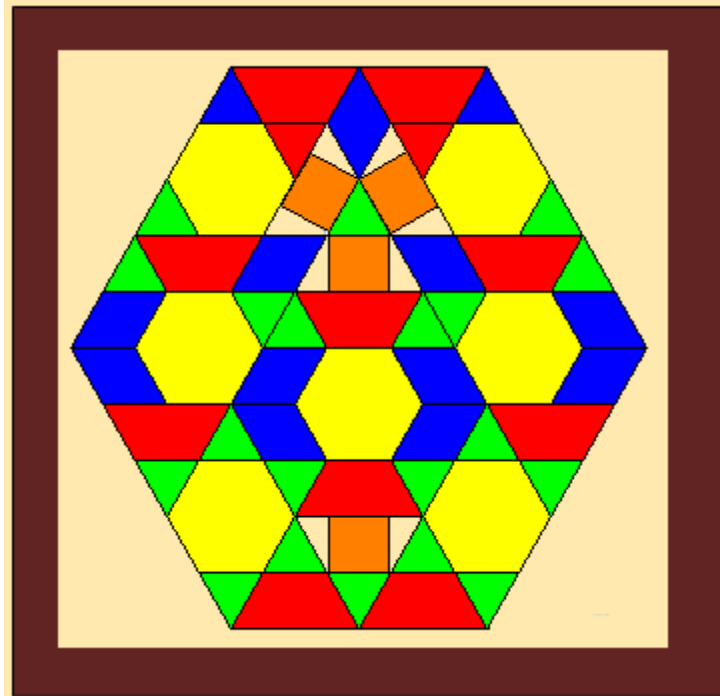


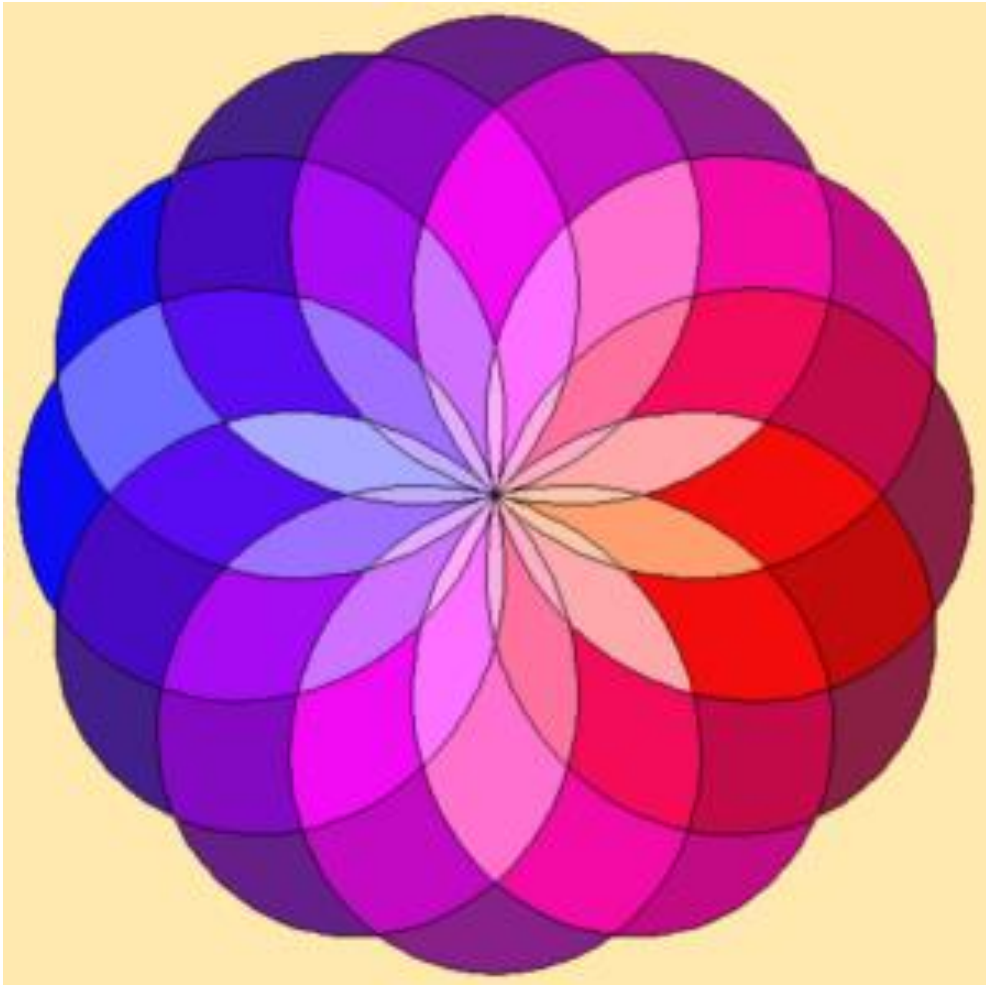


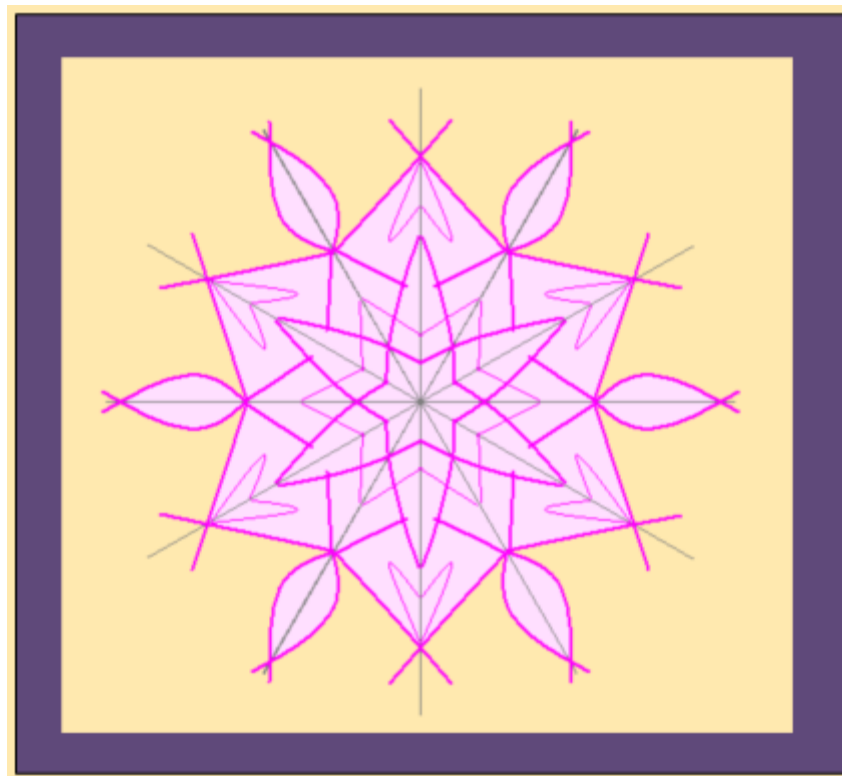




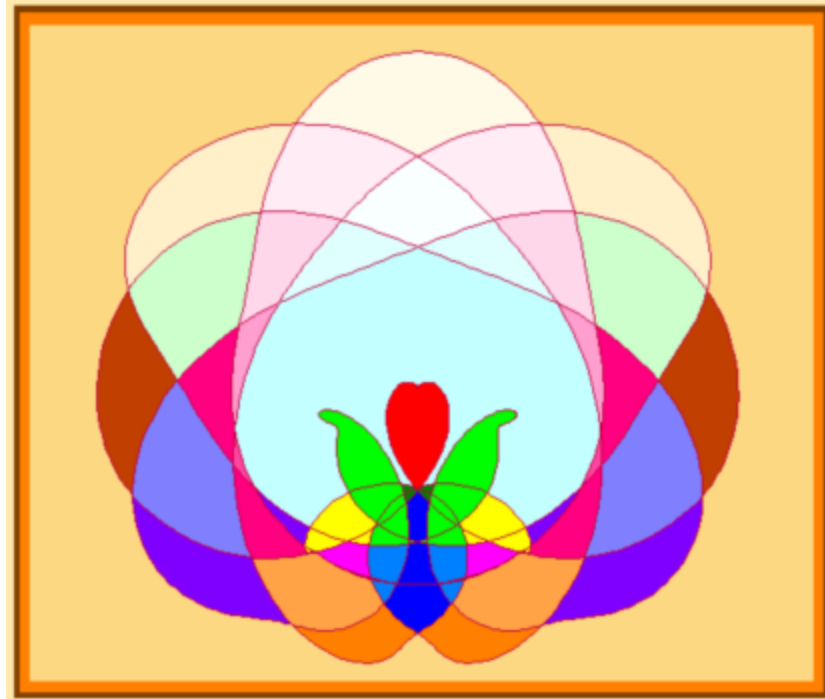


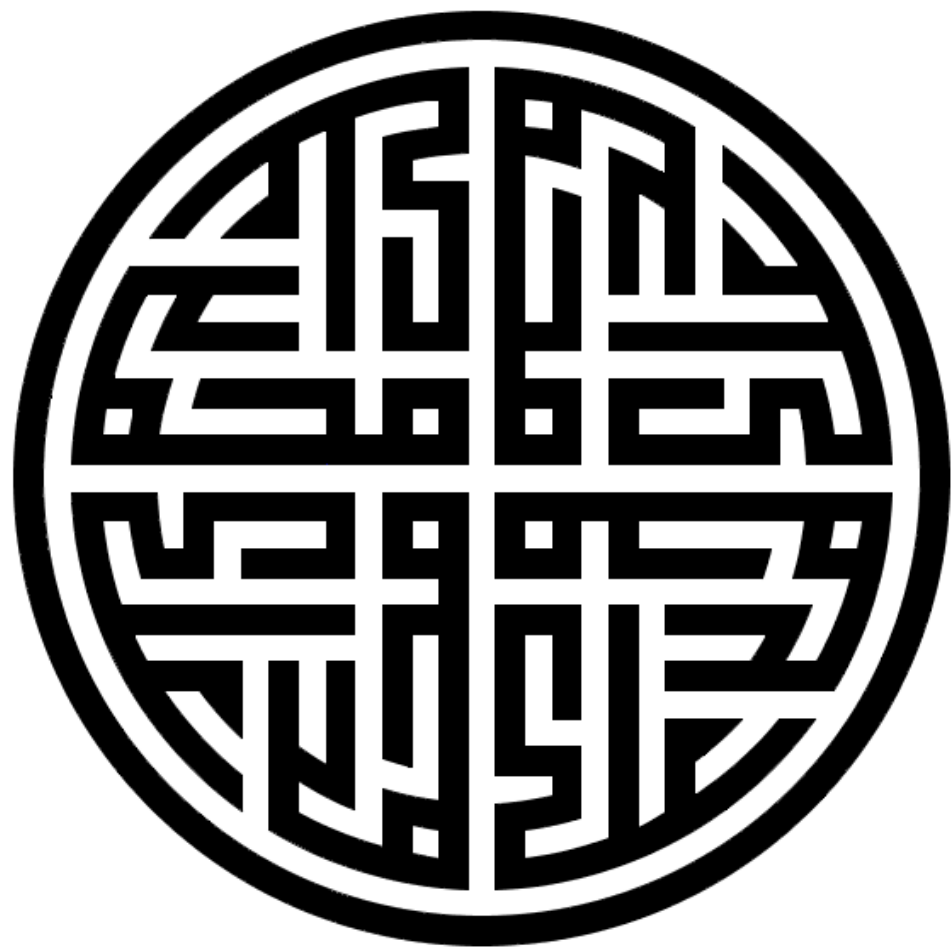


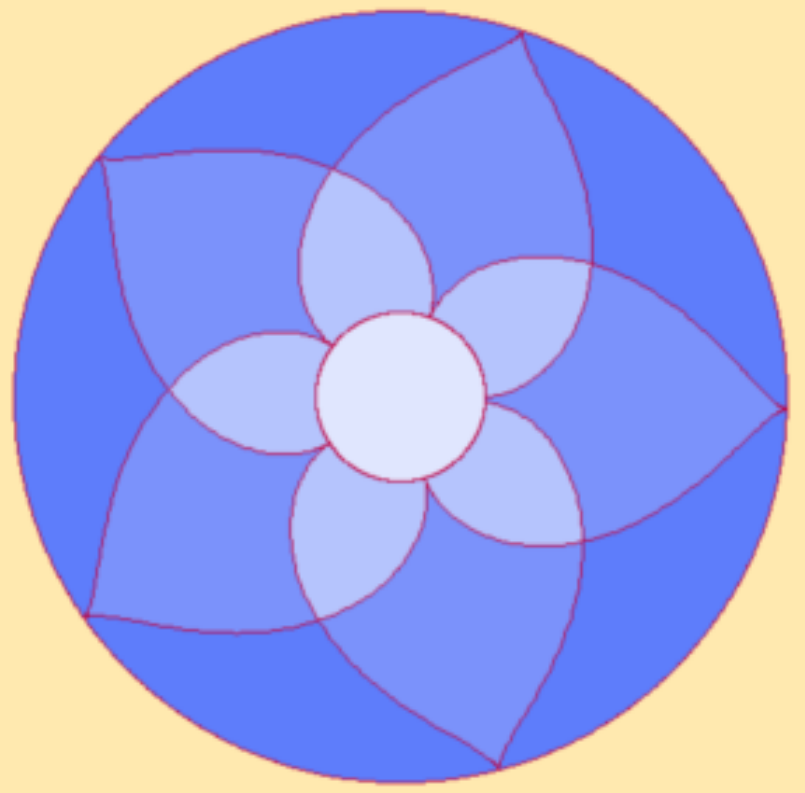


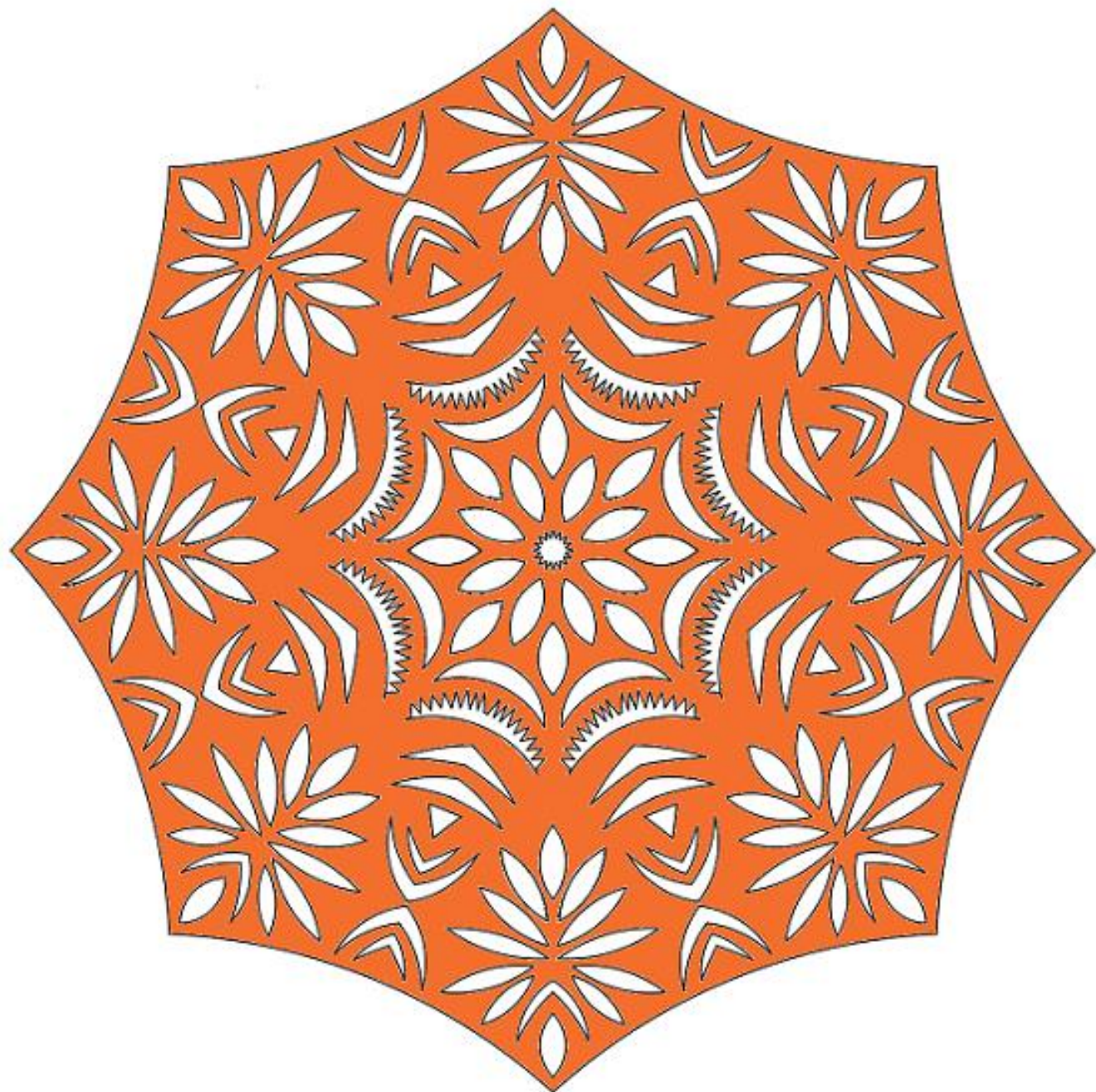




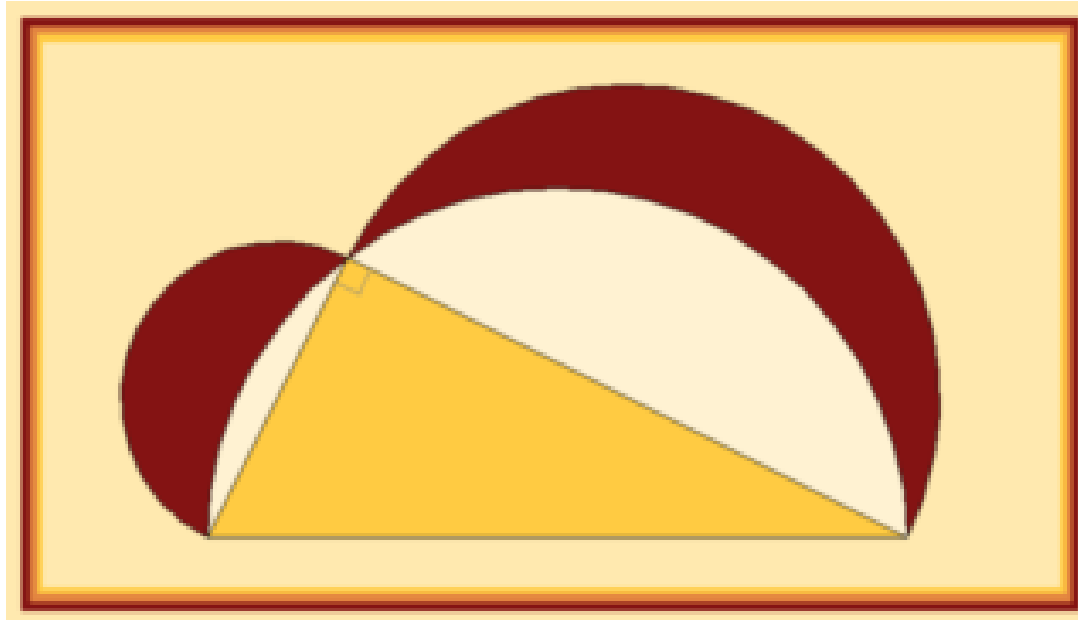














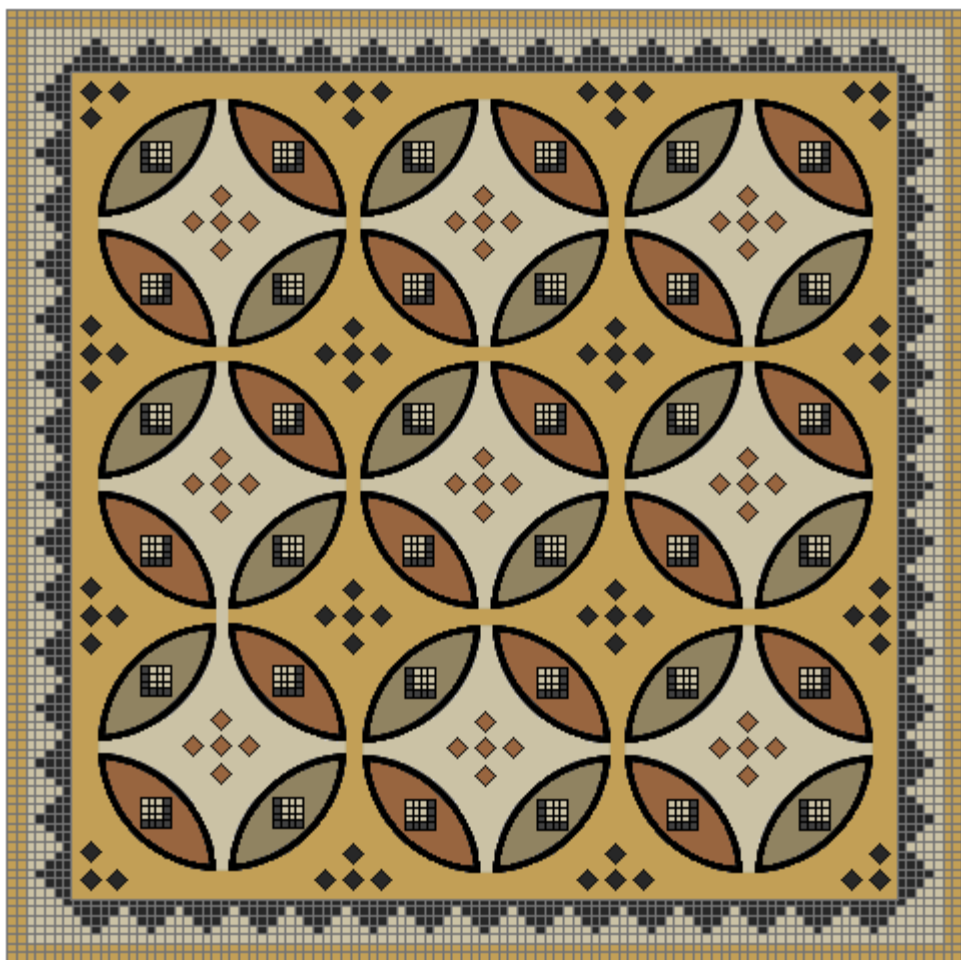


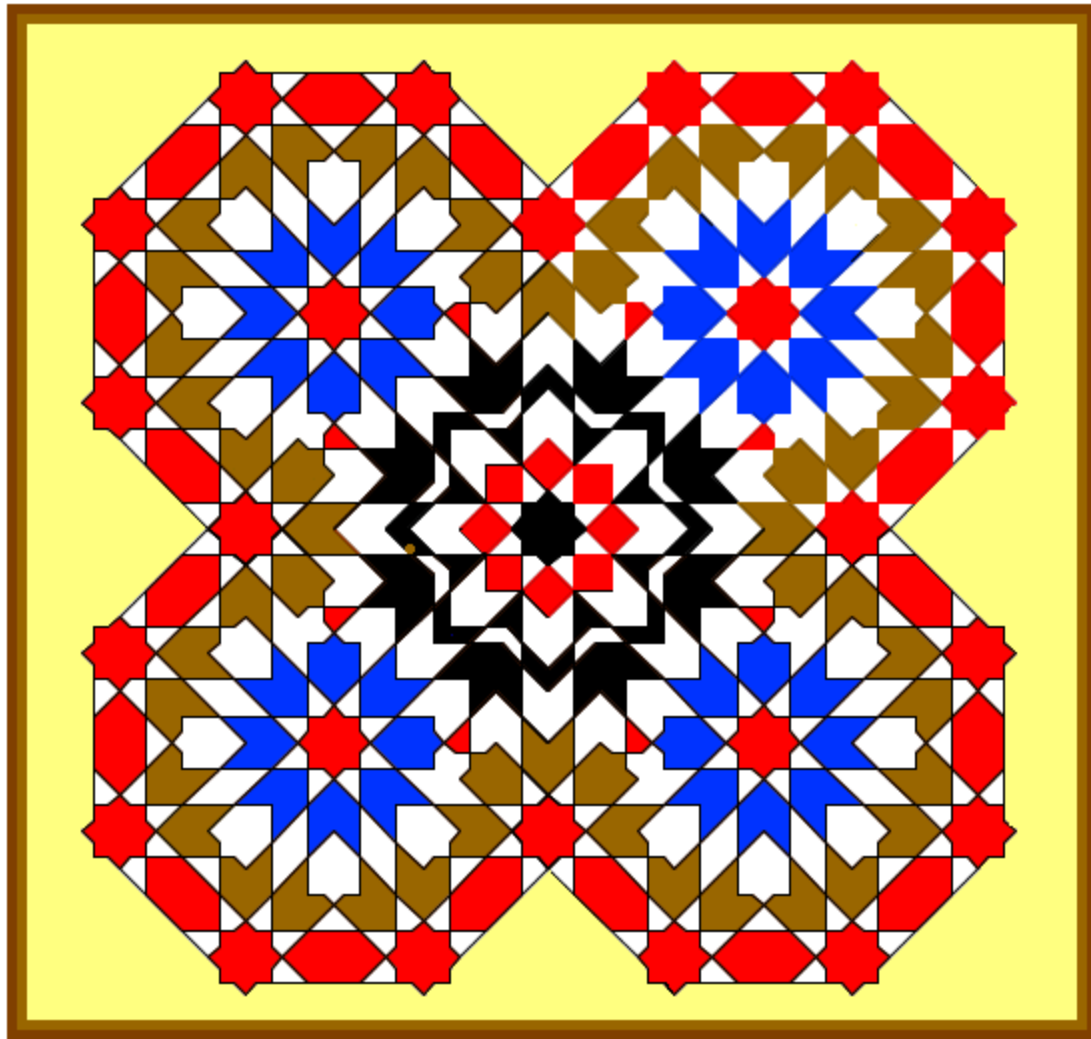




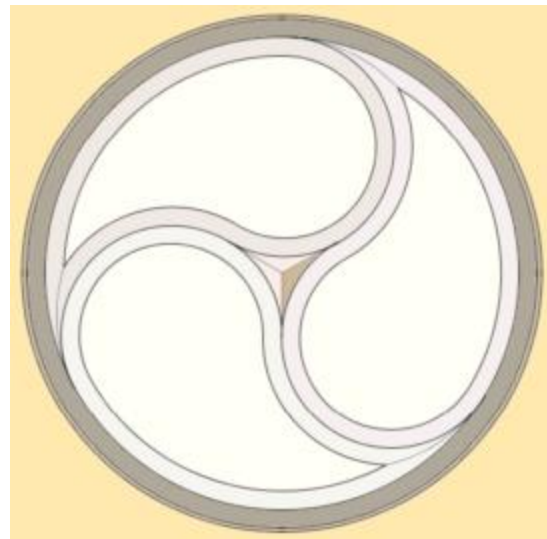


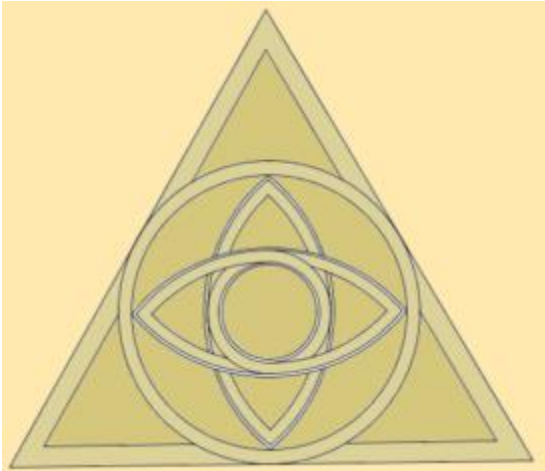




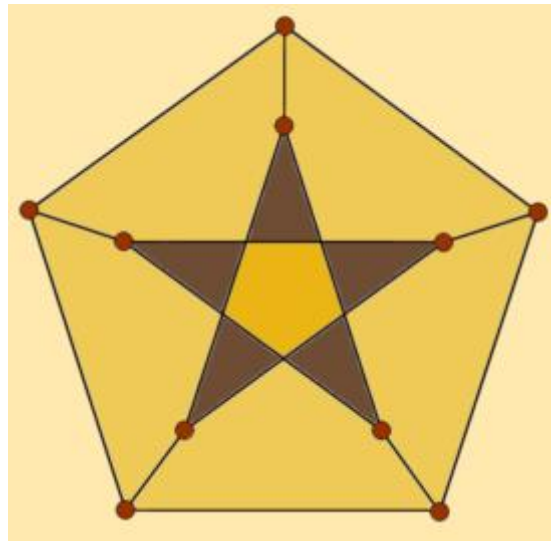


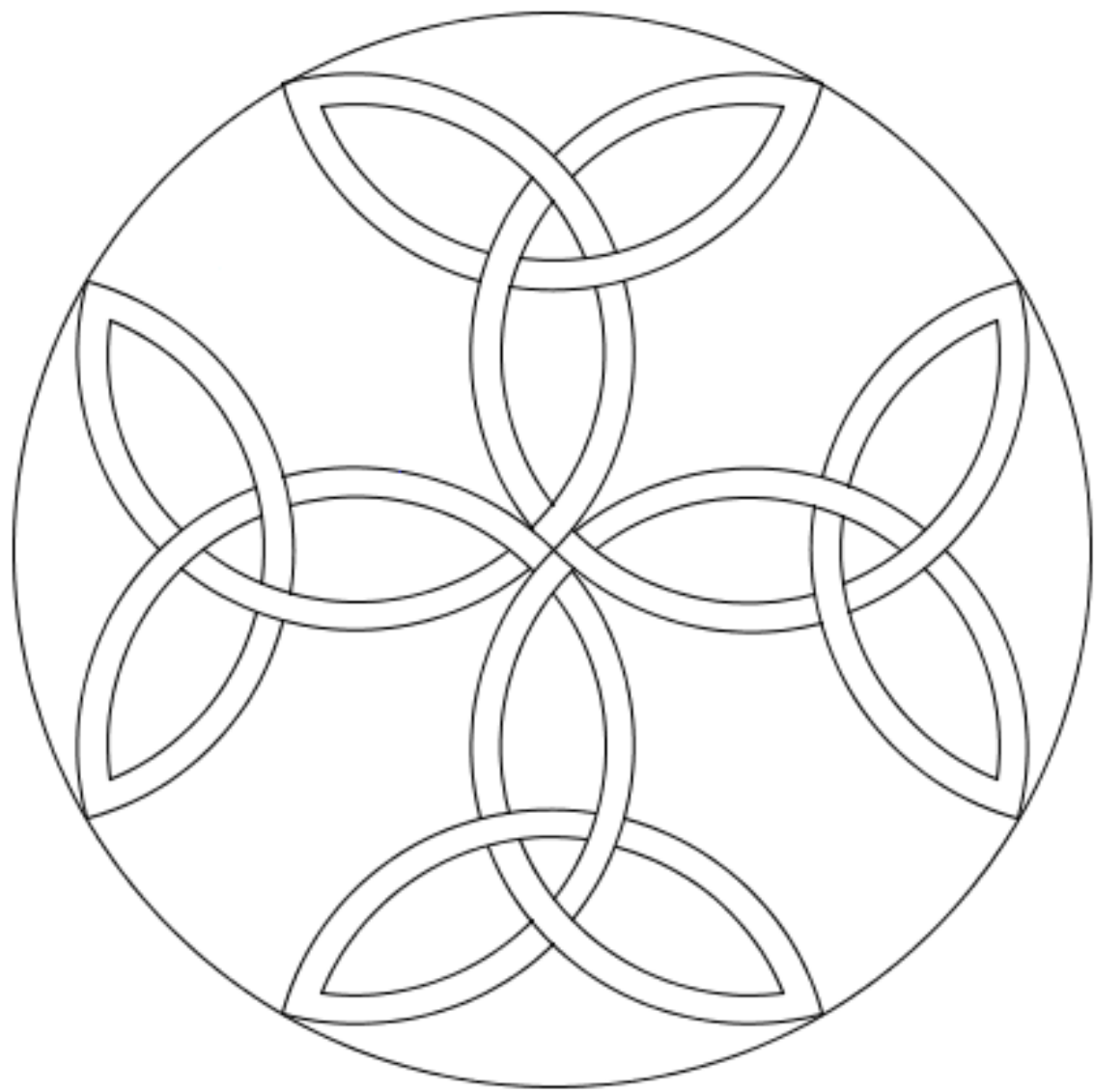


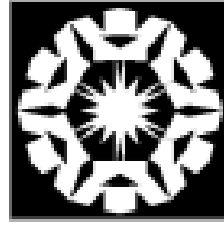
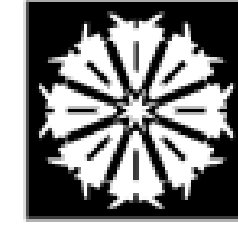
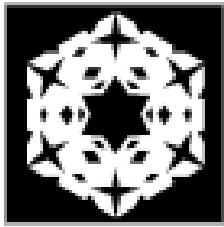
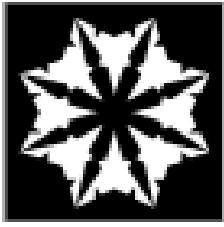
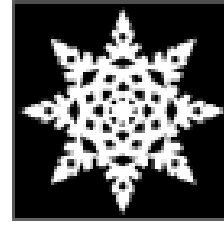
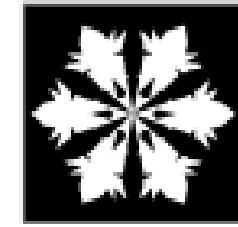
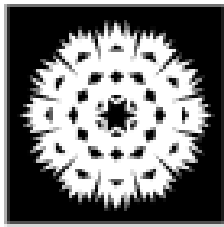
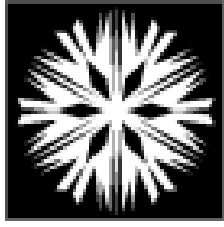
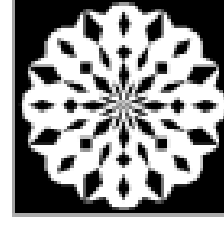
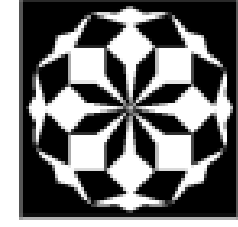
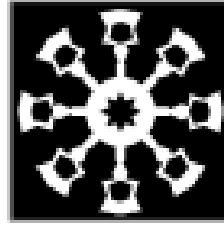
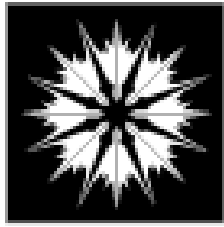
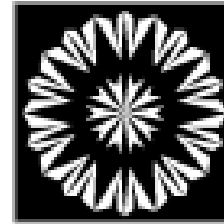
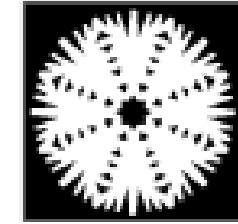
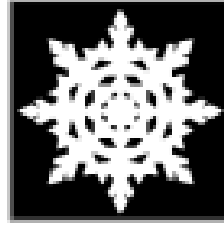
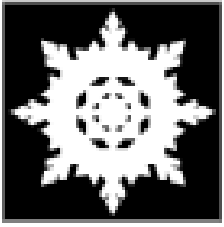
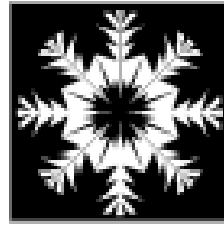
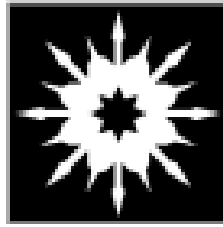
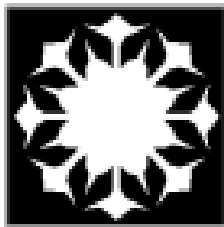
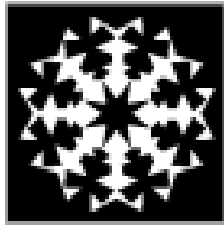


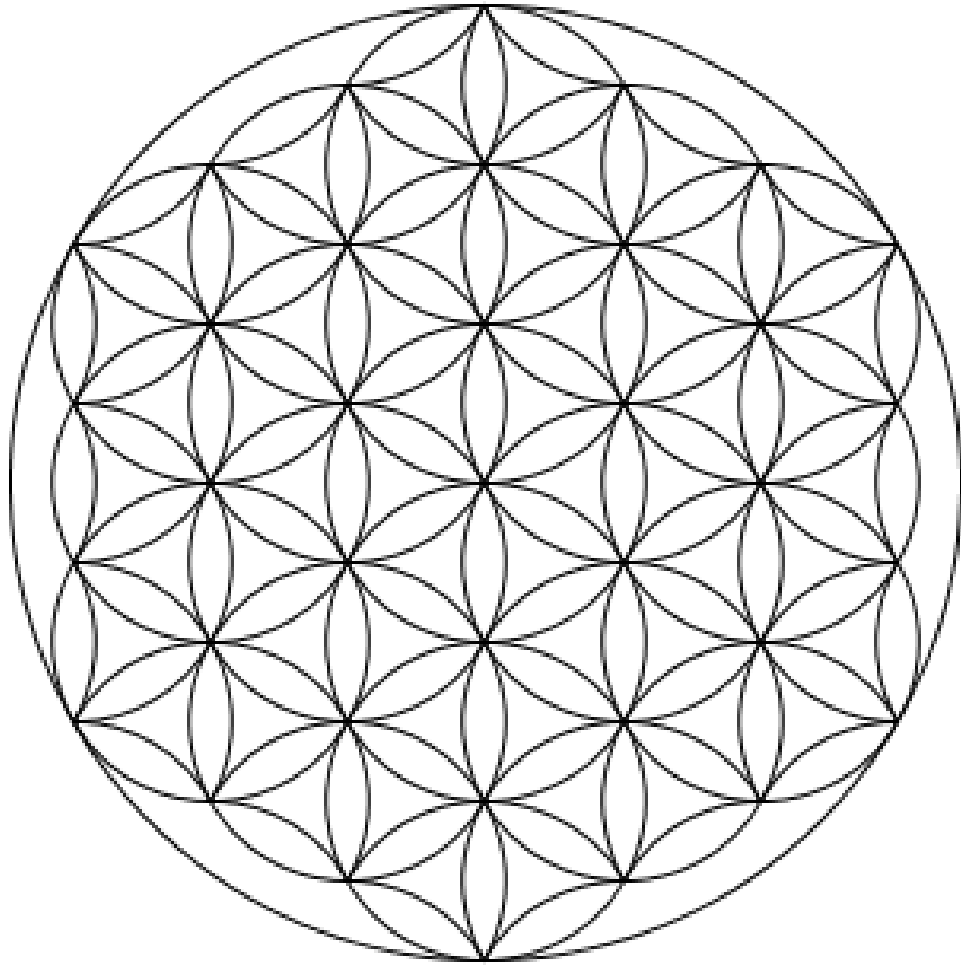


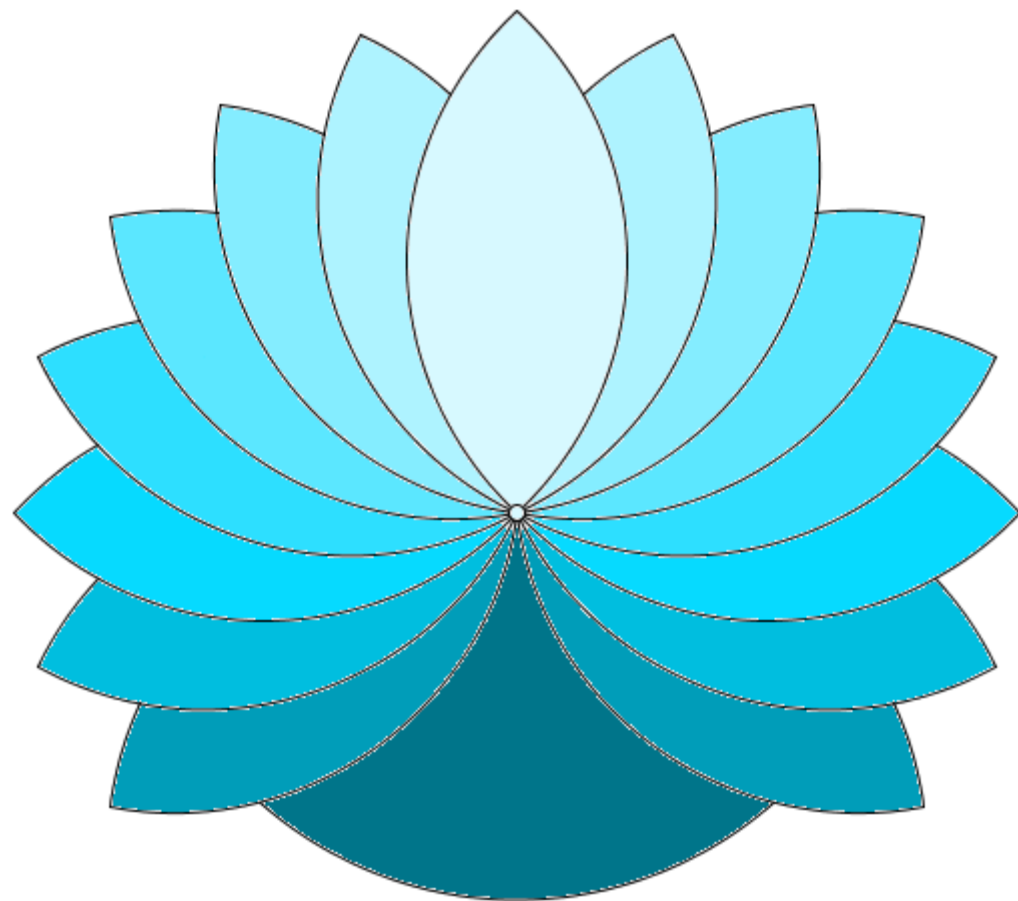


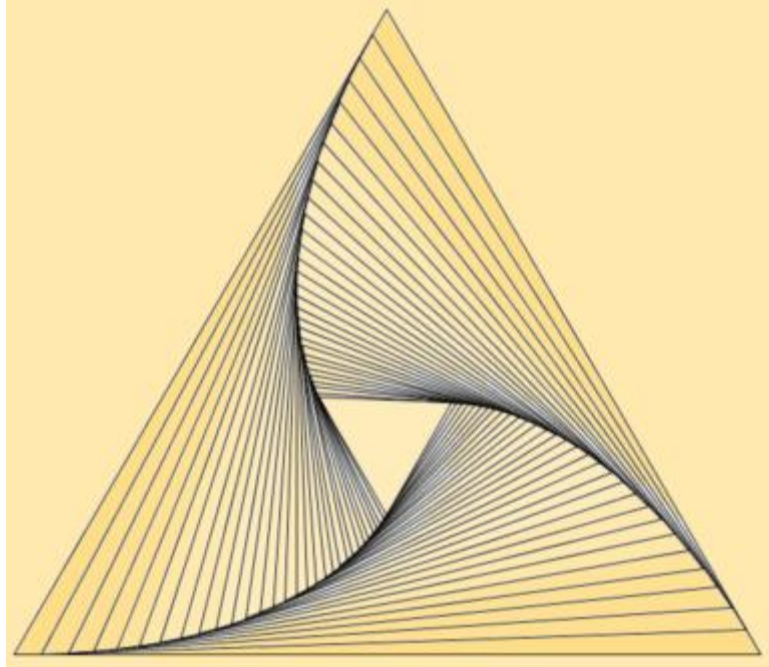




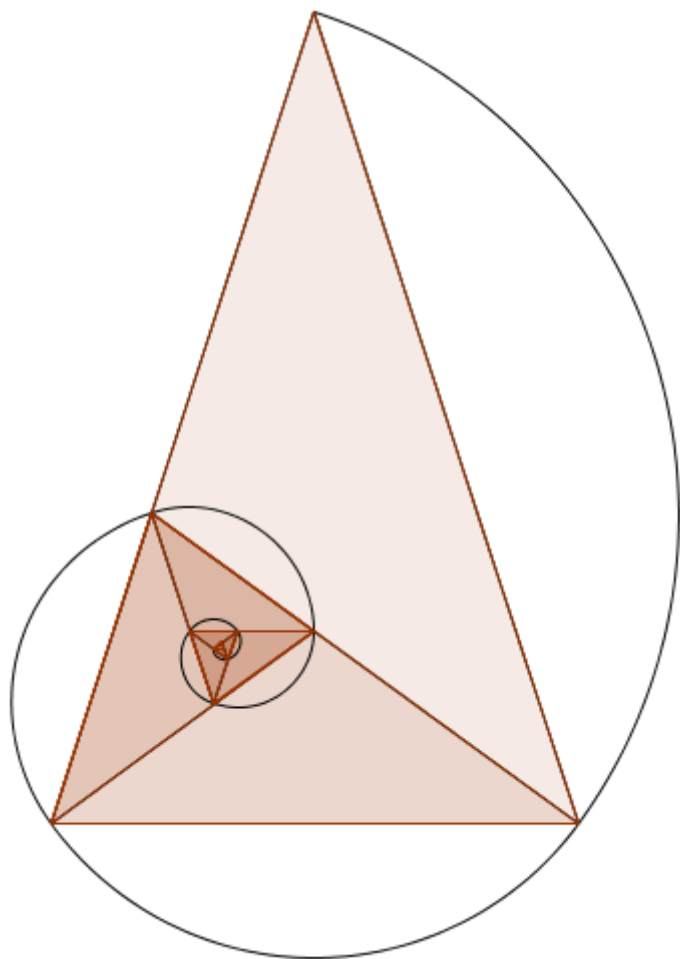


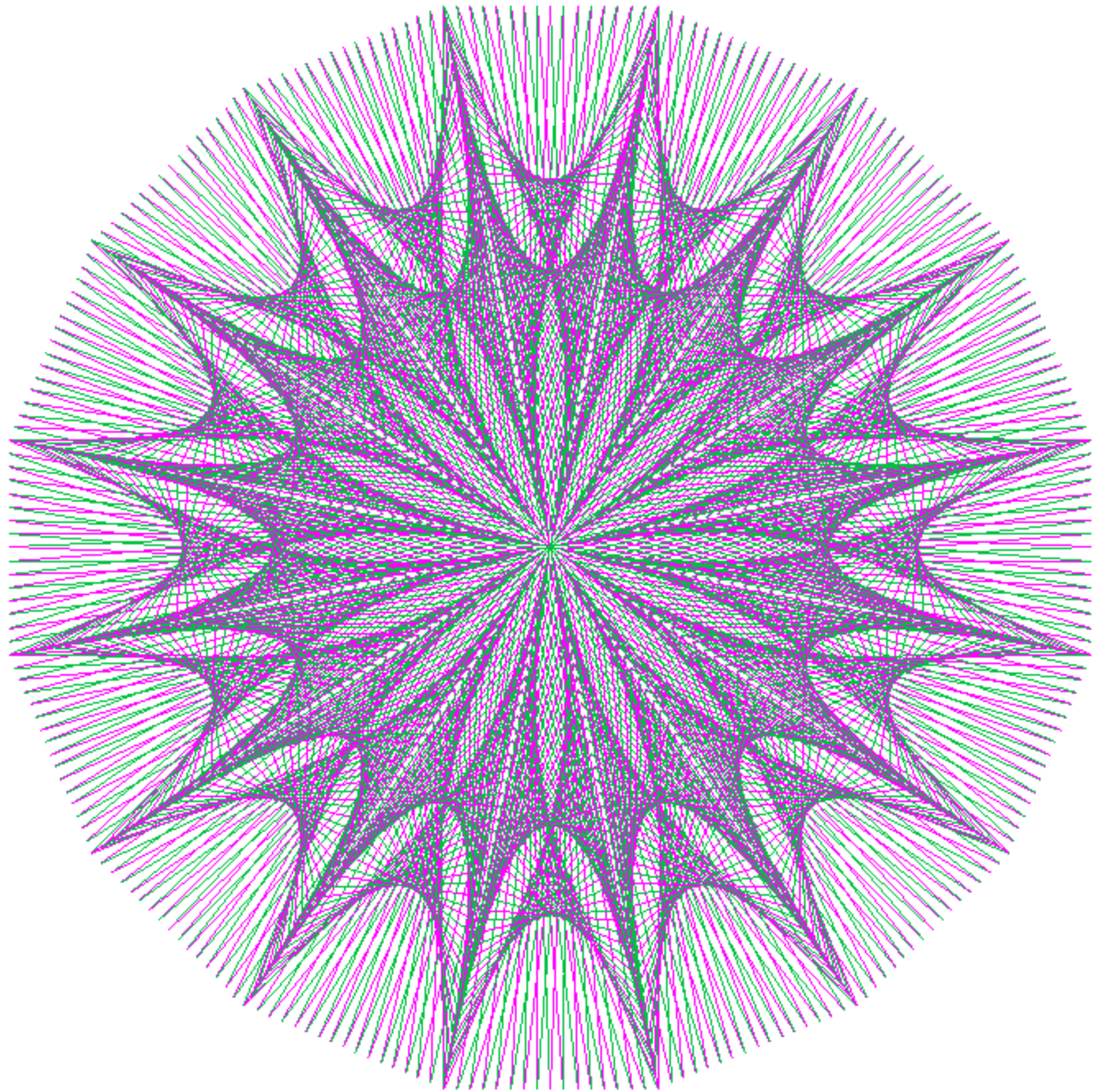


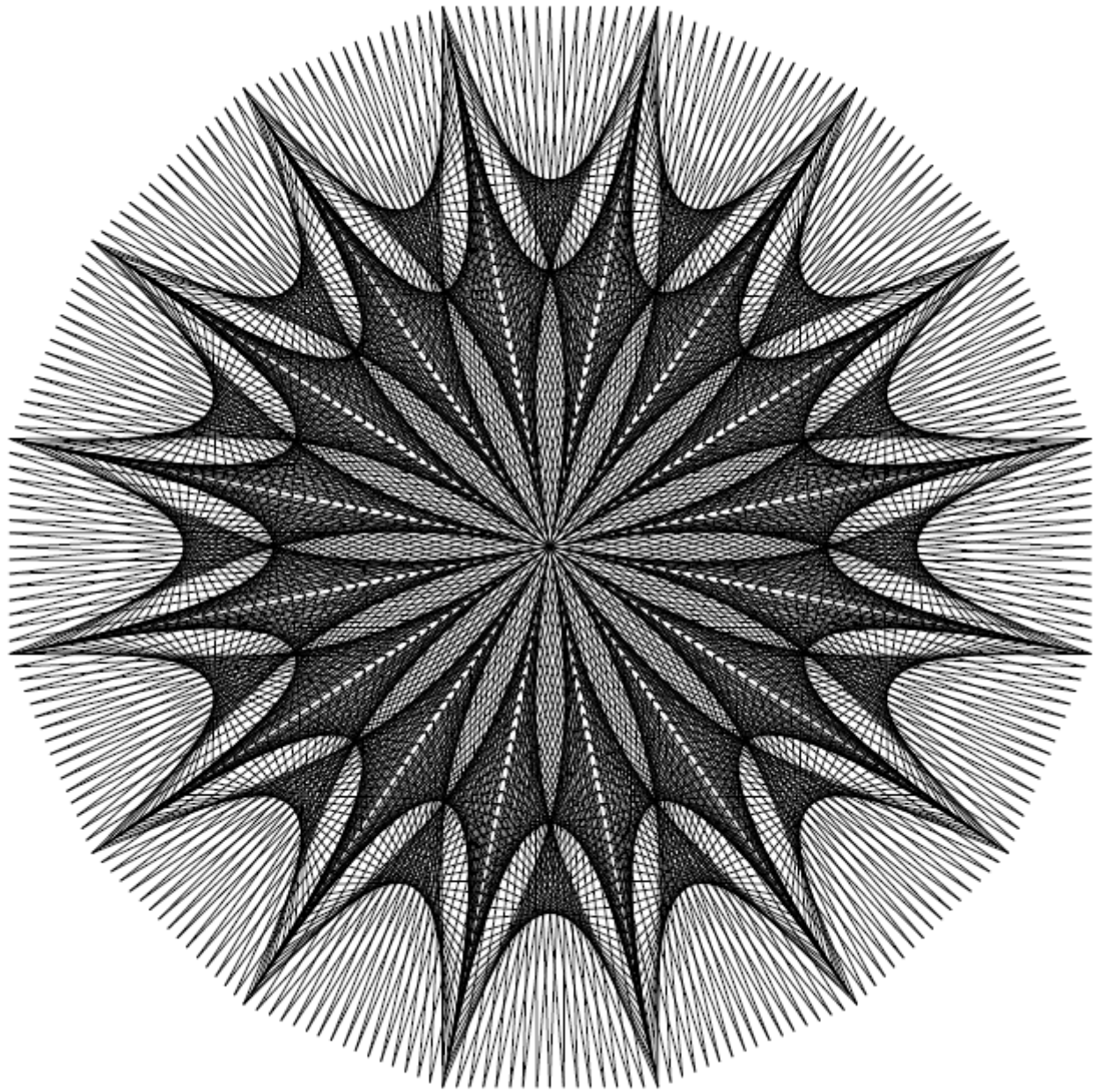


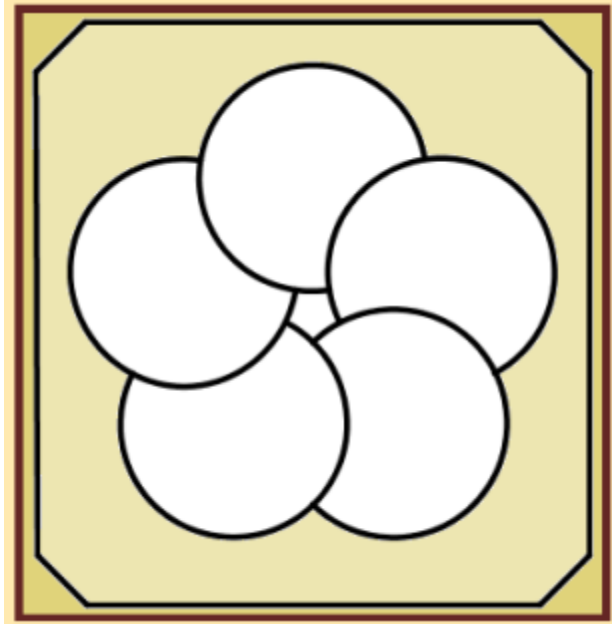


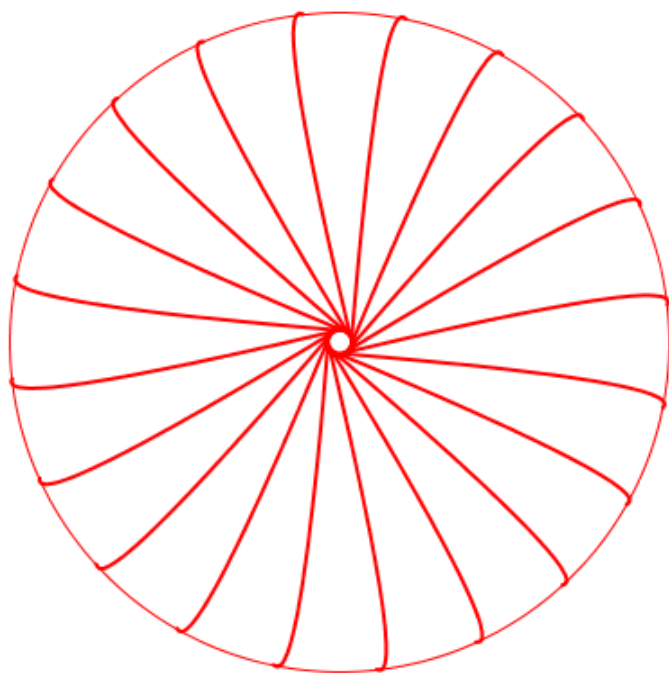


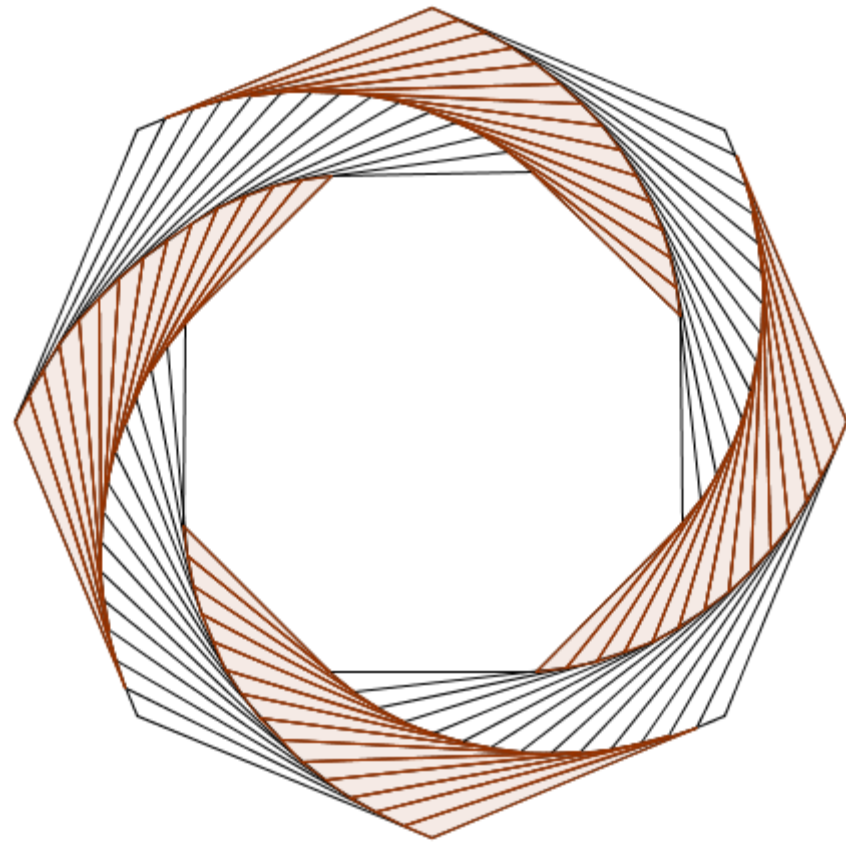




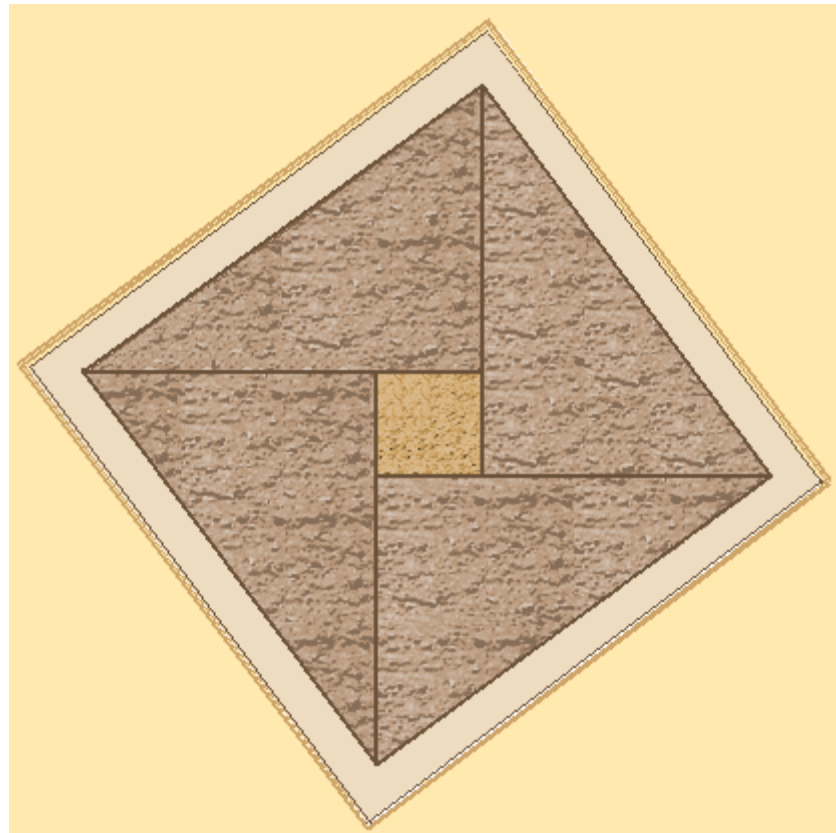




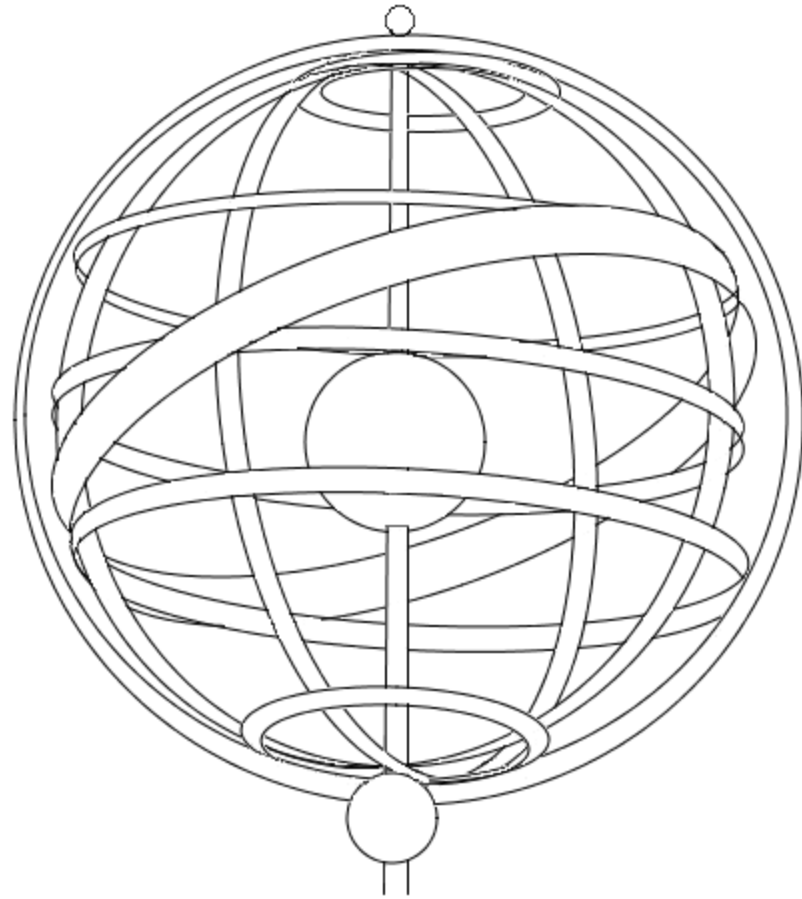


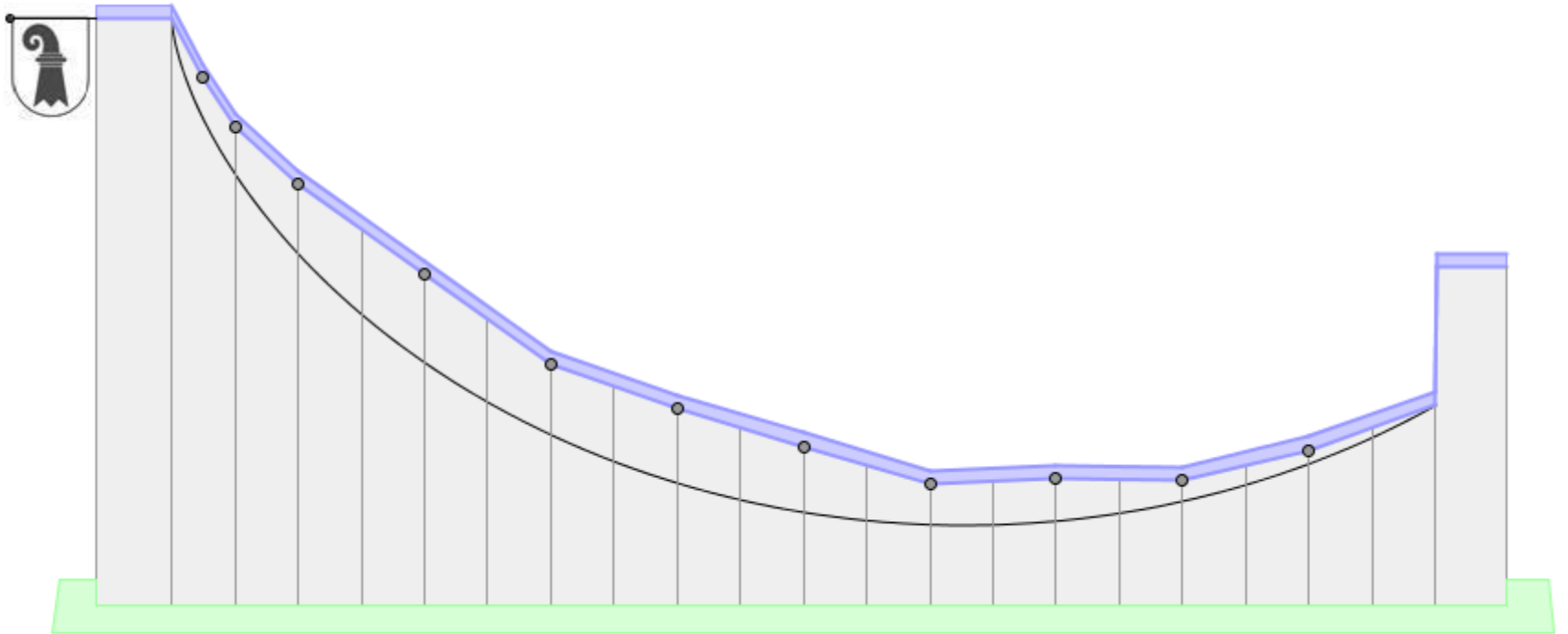


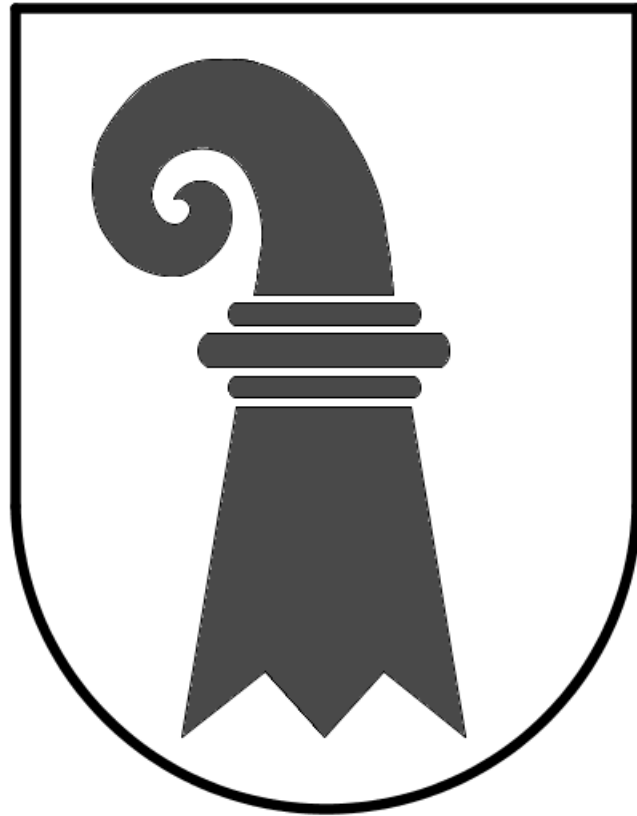


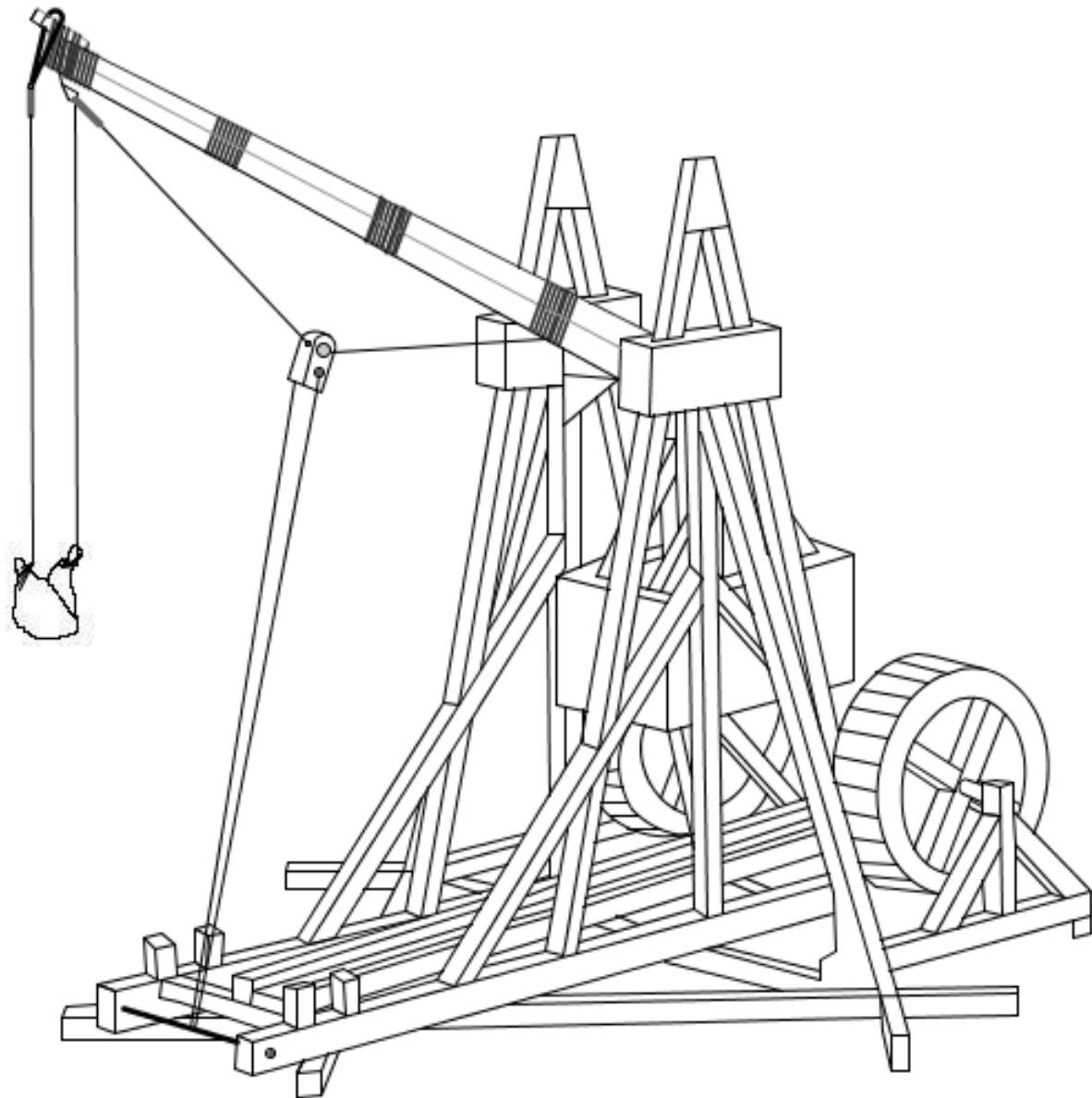


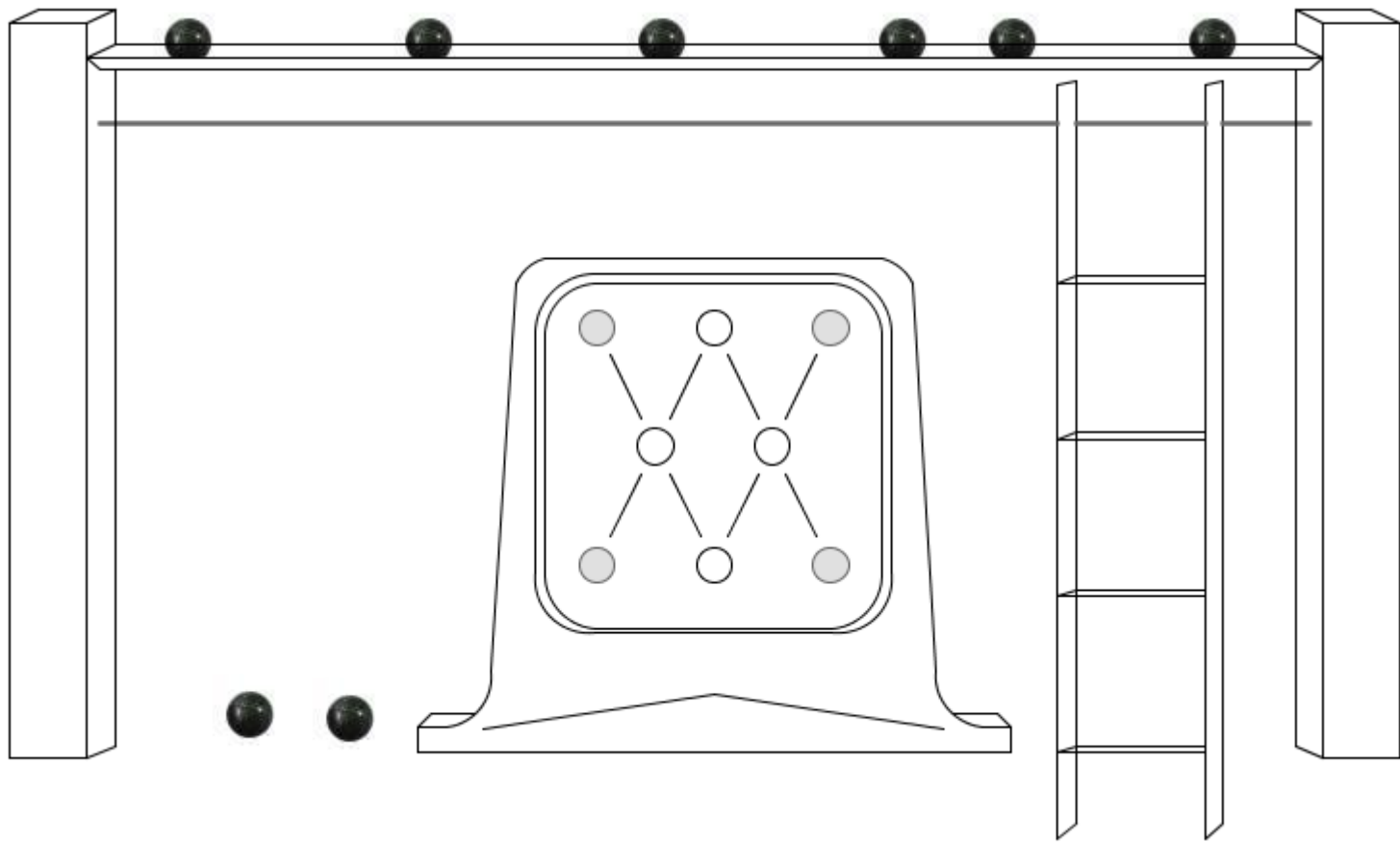
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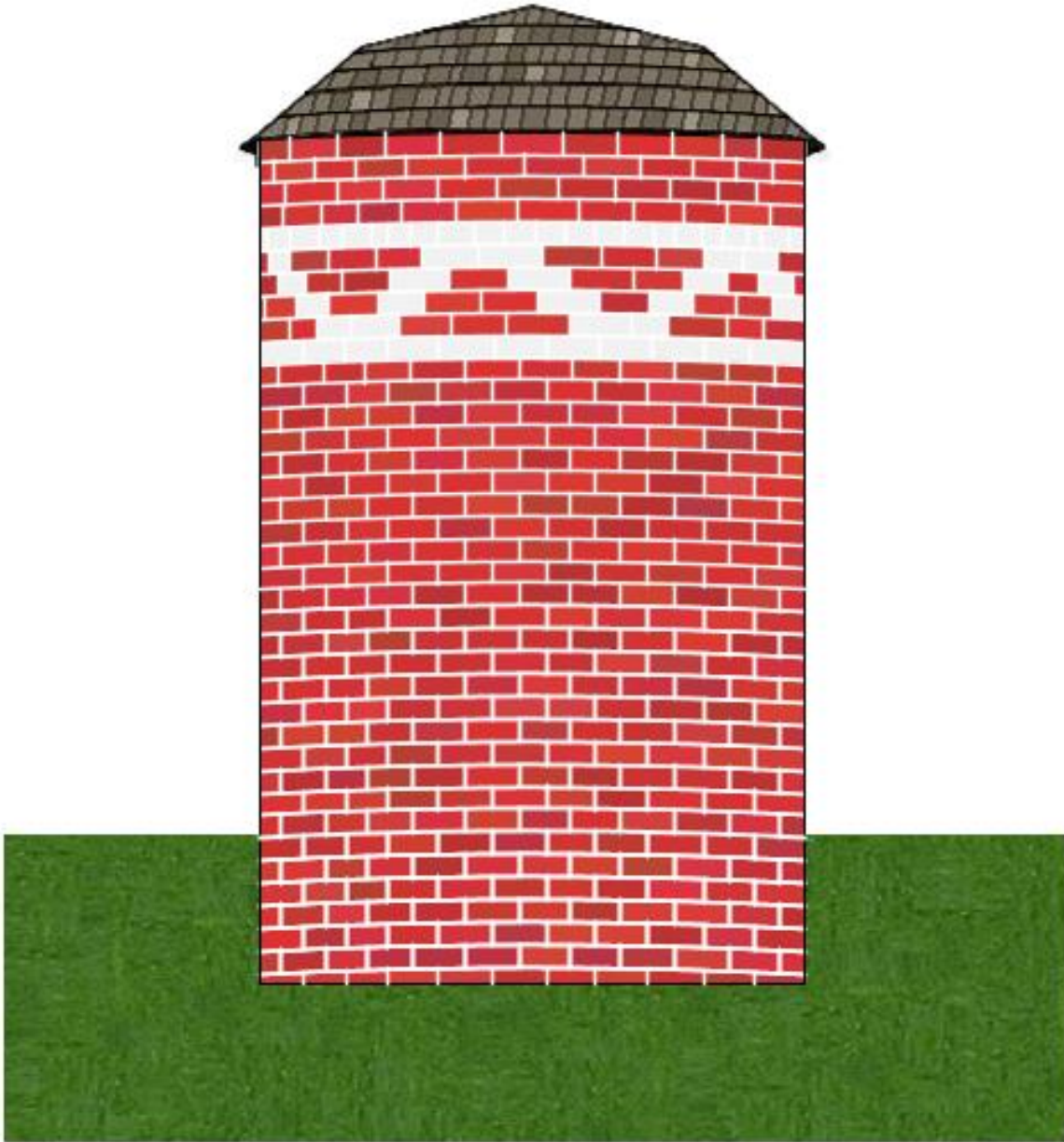


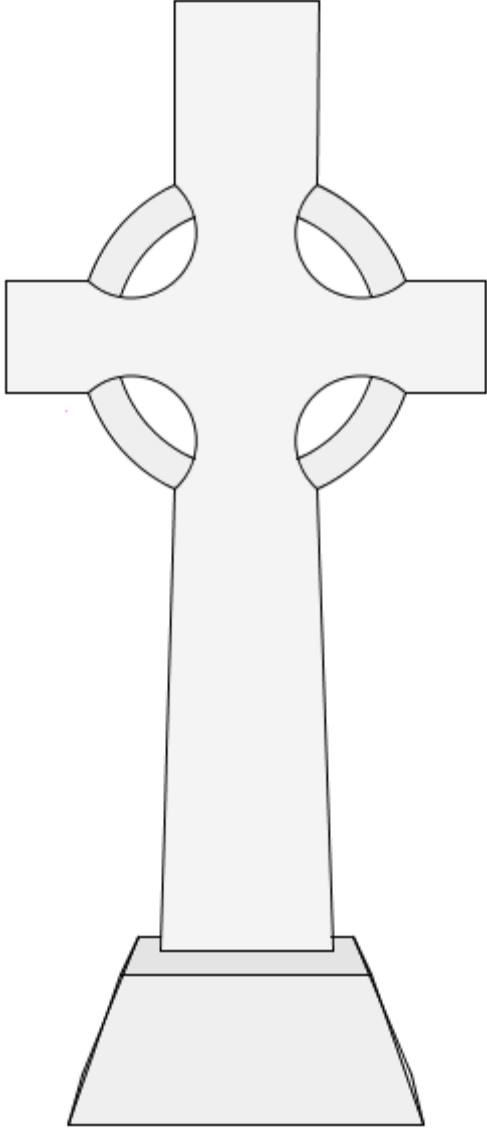


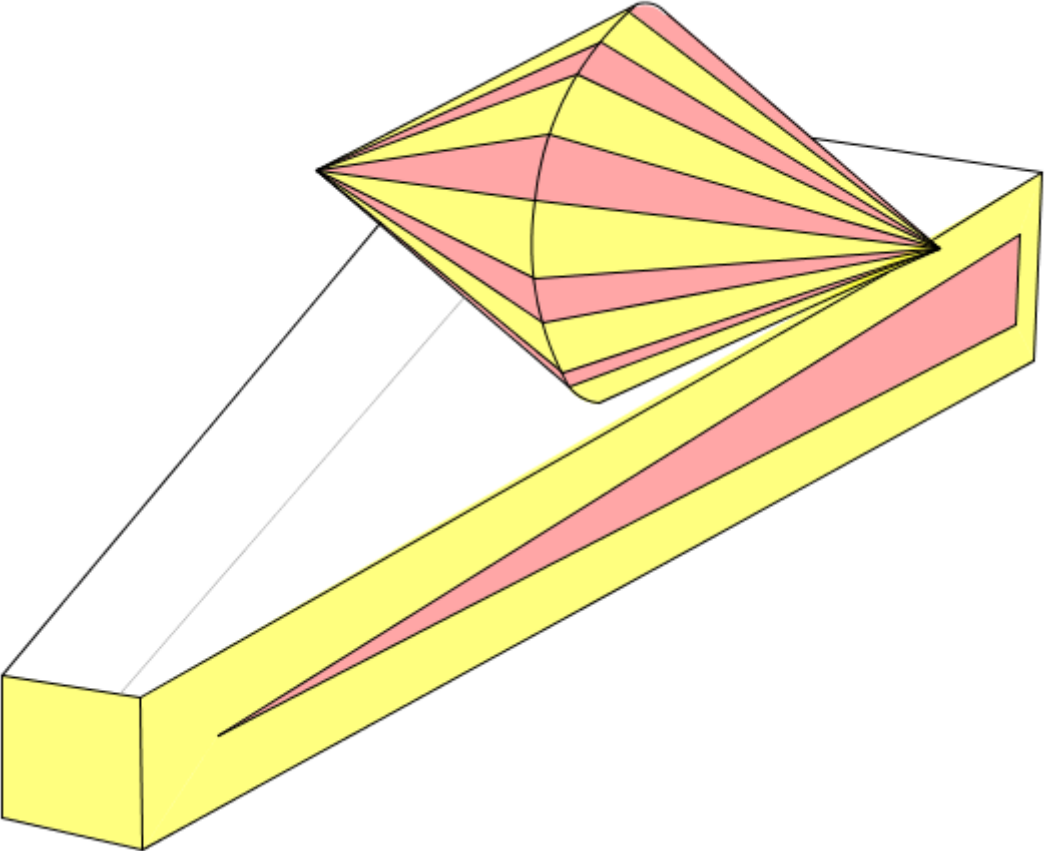


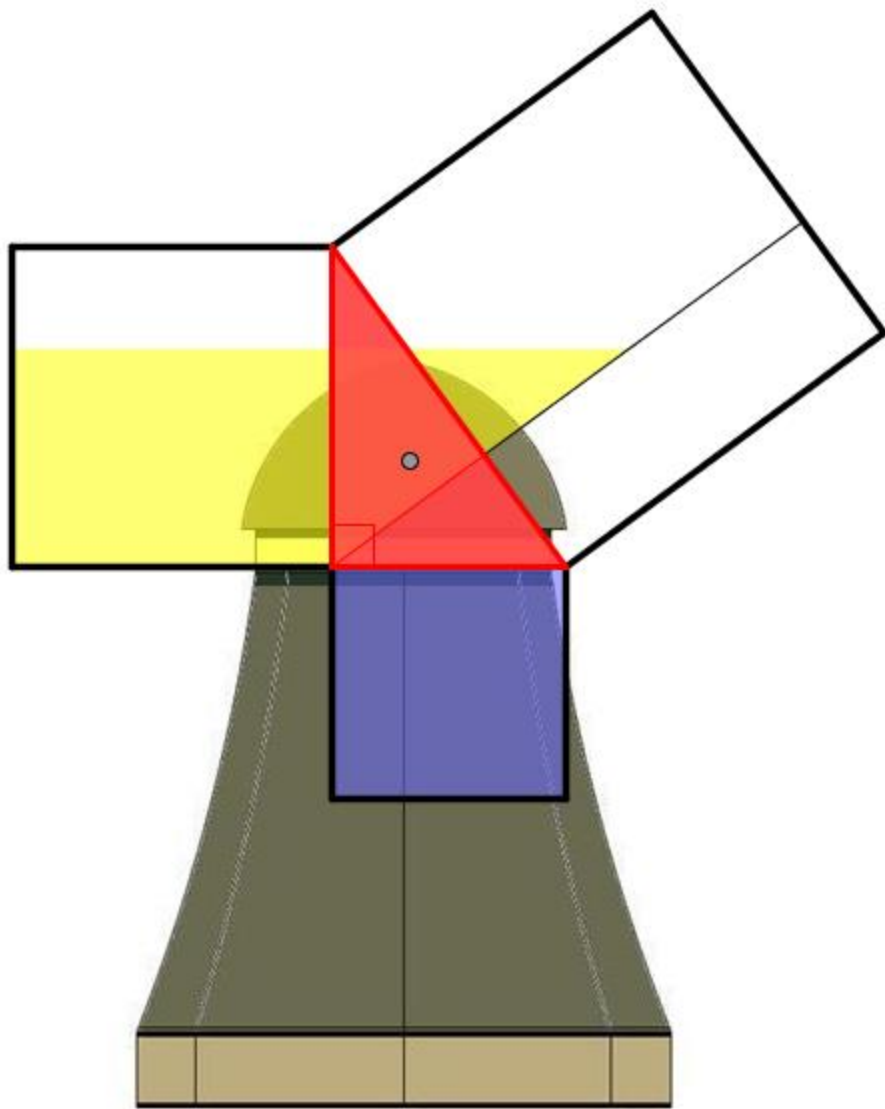














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