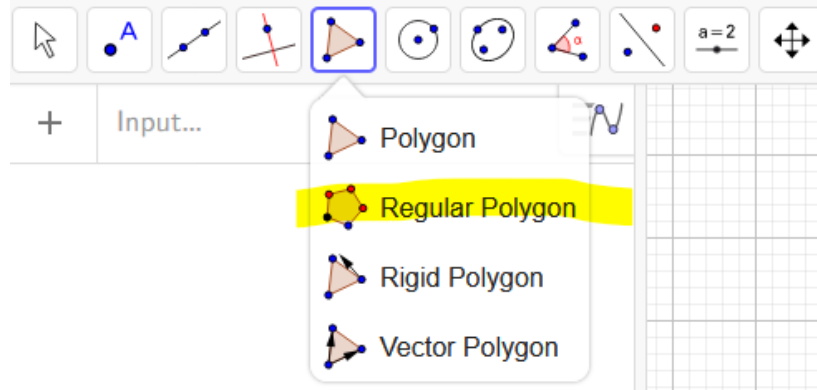
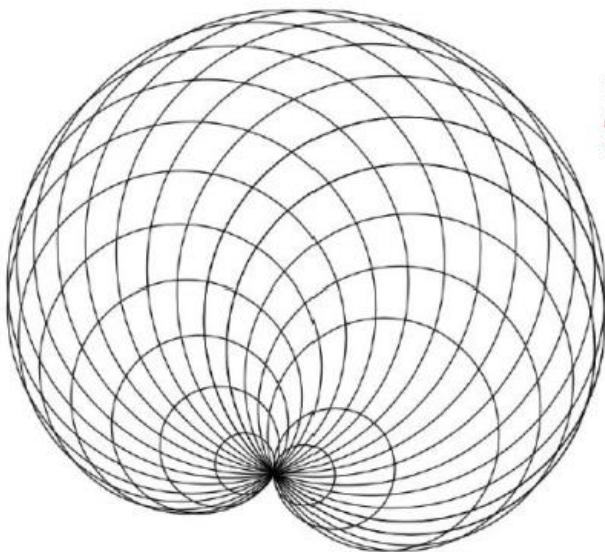


Cardioid (from the Greek καρδιά "heart")

- Launch Geogebra. <https://www.geogebra.org/classic>
- File → Save as → « *your_name_cardioid* » in your documents.
- Draw a **Regular 24-vertice Polygon** ABCDEFGHIJKLMNOPQRSTUVWXYZ



- Choose one vertice. For example A. Color it in red.
- Draw the **Circle with Center B through Point A**.
- Draw the **Circle with Center C through Point A**.
- Draw the **Circle with Center D through Point A**. And so forth until point Z.
- **Save** your figure.
- Render invisible all structure elements of cardioid.
- File → Export → Graphics View as Picture (png) → Save as:
« *your_name_cardioid_pict* »
- Open **Gimp** or **Paint3D** and color your cardioid. I can show you how to do.



*This cardioid was made by a student but one circle is missing and it wasn't colored.
Can you guess where a circle is missing?*