# The octagon (Geogebra)



The figure shows a regular octagon with the section length 1 l.u. and the center M.

* Create the octagon in Geogebra
* What is the sum of all angles in the octagon?
* Can you determine the sum of angles in other regular polygons? Try different polygons in Geogebra. Do you discover any pattern?
* Can a polygon have as many corners you want? Any conclusion?
* Determine the angle V.
* Use Geogebra to investigate what will happen with the angle V if you move the point A to another corner in the polygon.
* Determine the angle BMC
* Investigate how it will look like in other polygons. The angle V? The angle BMC?
* How would it look like in a circel?