Restrictions in the lecture of geometry with GeoGebra in Primary School Teacher Education

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Context and relevance in the use of GeoGebra

- Professional profile
- Teacher instruction in the framework for European Higher Education Area
- Free software
- . Curriculum
- Epistemology

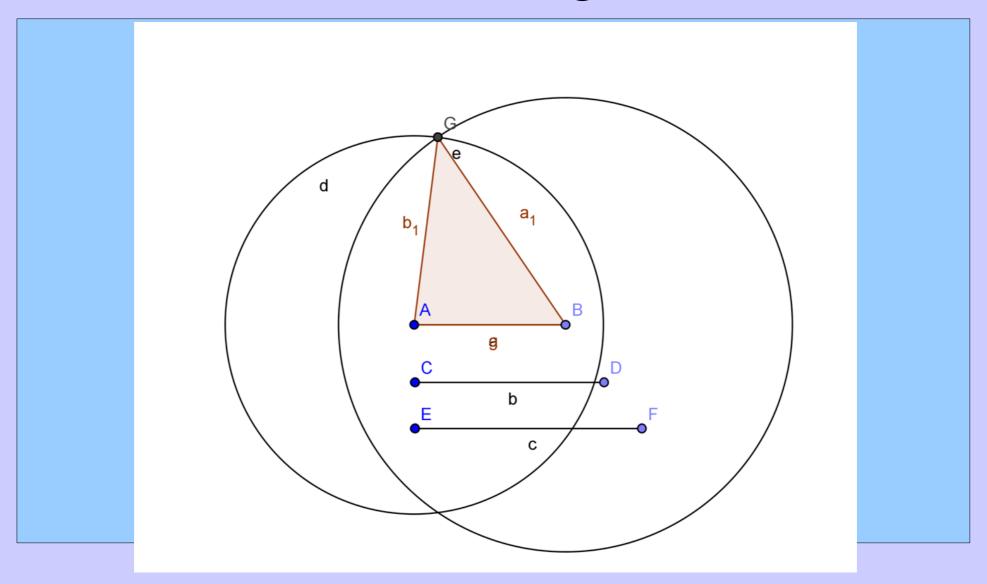
The way we use the software GeoGebra

- University students profile
- Technological limits in educationasl centres
- Pressure in the development of all aspects in the curriculum

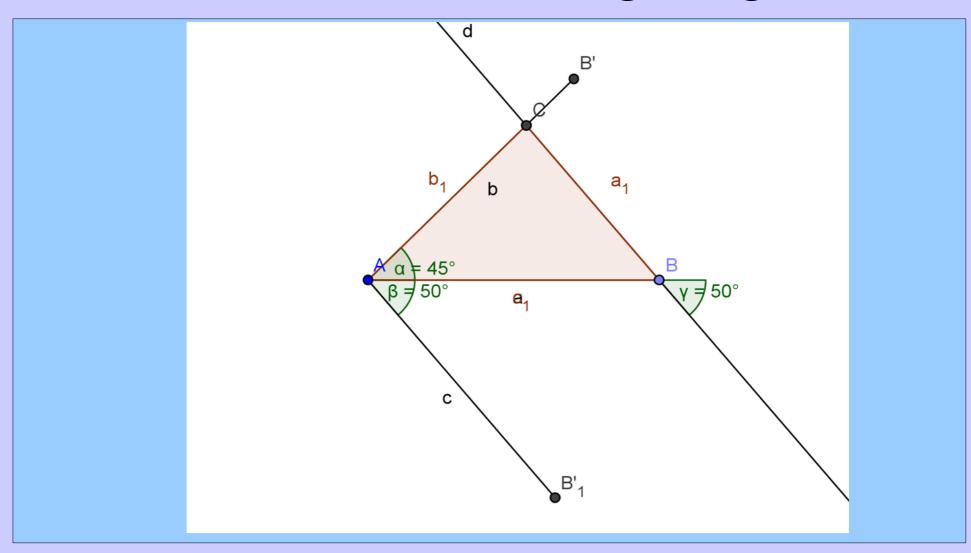
Geometric topics in the curriculum

- 1.Download and start the program.
- 2. Construction and classifications of triangles.
- 3. Construction and classification of quadrilaterals.
- 4. Mid-perpendiculars, bisectors and heights.
- 5. Pythagoras Theorem. Tales Theorem.
- 6. Areas and polygons.
- 7. Proportions and isometries.
- 8. Functions and algebra.
- 9. Presentations of constructions built on their

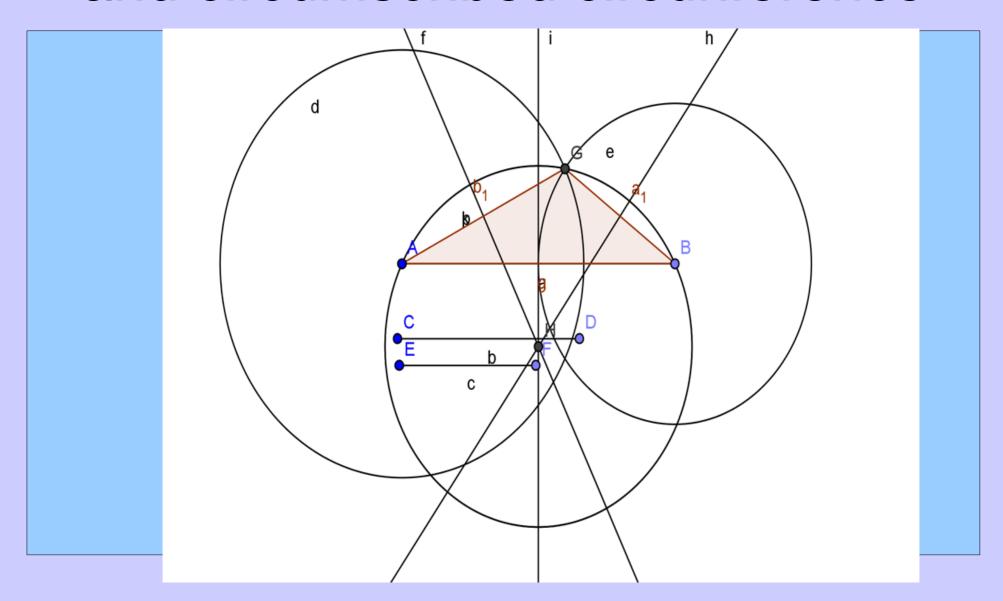
Construction of a triangle, three sides given.



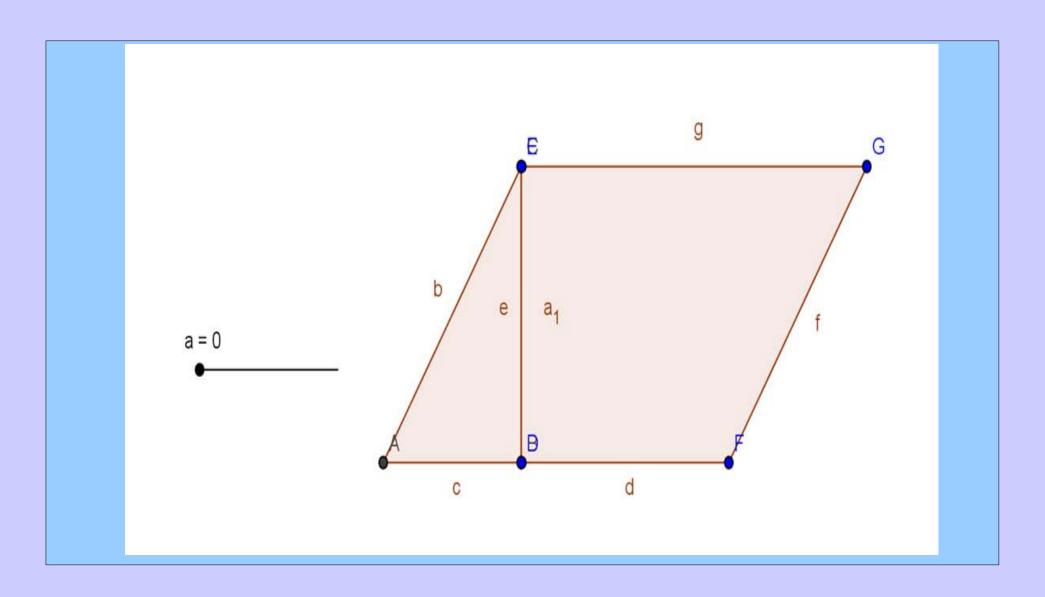
Construction of a triangle, one side and two angles given.



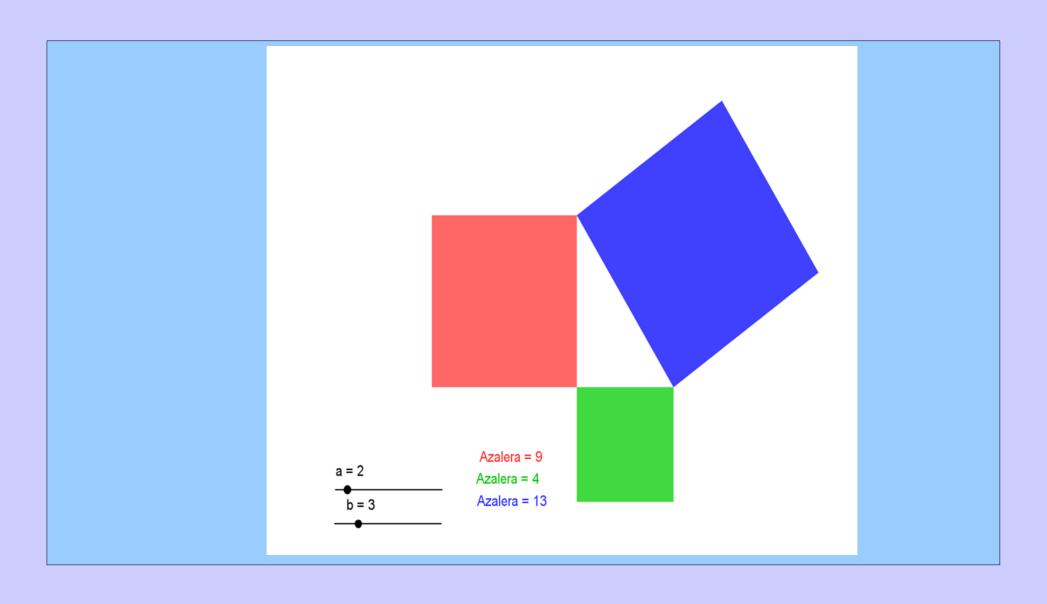
Mid-perpendiculars, circumcenter and circumscribed circunference



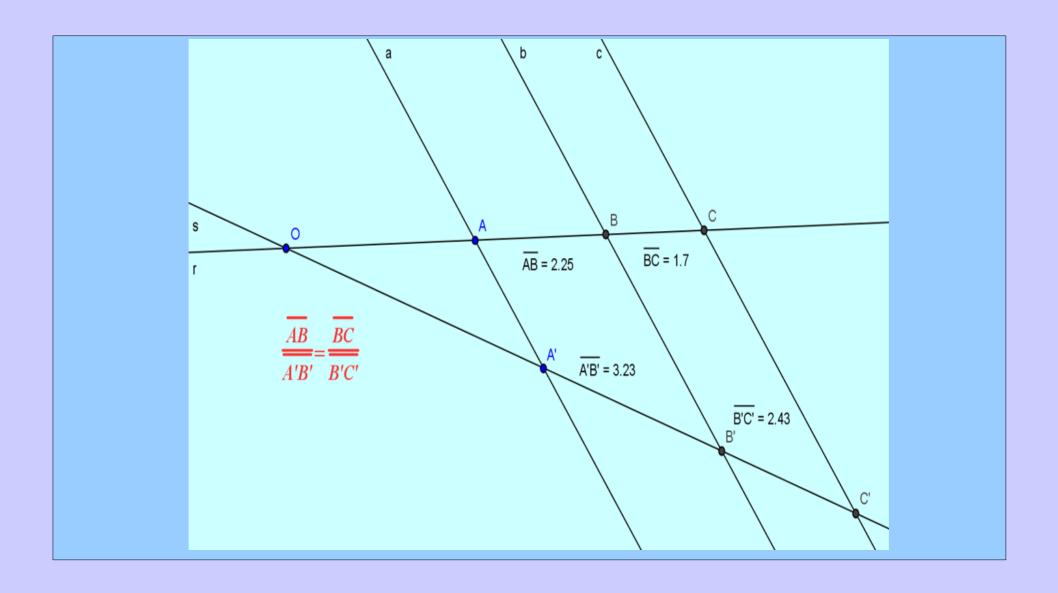
Area of a parallelogram



Pythagoras Theorem



Tales Theorem



Now, 5 min are gone!

