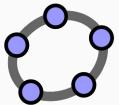
Features & Possibilities -An Overview

By Sangeeta Gulati National ICT Awardee Sanskriti School, New Delhi

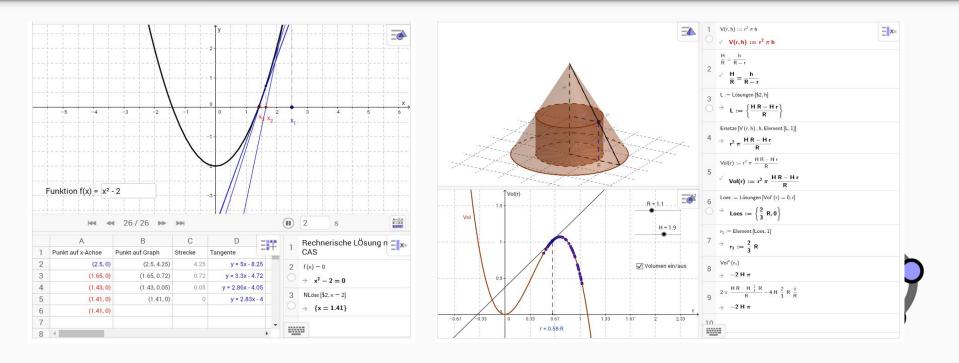


What is GeoGebra?

- GeoGebra is a dynamic mathematics software for all levels of education that brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package.
- Open source software freely available for non-commercial users. Download available at www.geogebra.org
- Tasks in GeoGebra may be designed to enable students to make conjectures and understand mathematical concepts.



GeoGebra = Geometry + Algebra + Spreadsheet + 3D + Statistics

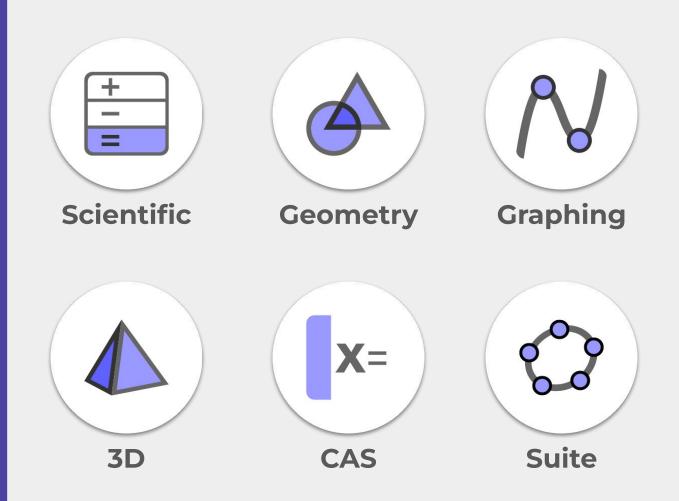




www.geogebra.org/download



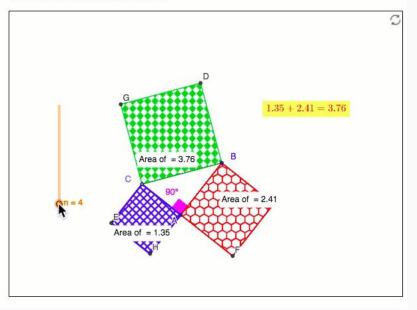




Maths Comes Alive With GeoGebra

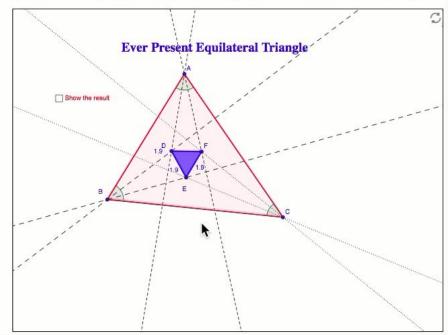
Pythagoras Theorem for Regular n-gons

Drag the slider. Observe the relation between the three areas. Do you agree that the Pythagoras Theorem is true for the regular n-gons ?!

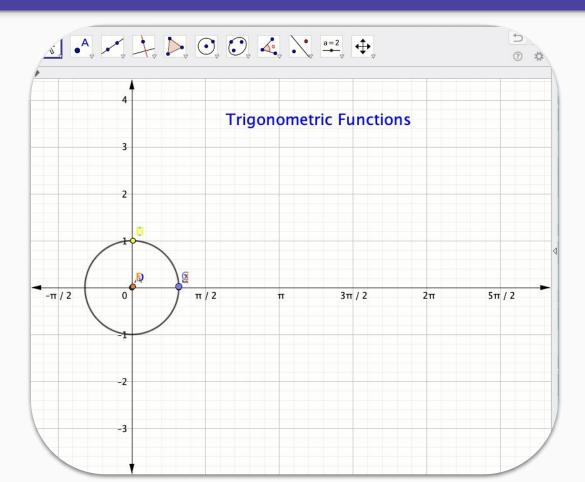


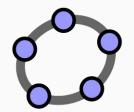
Ever Present Equilateral Triangle

Drag any of the three vertices of the triangle ABC, observe the relation between the three sides of the triangle DEF

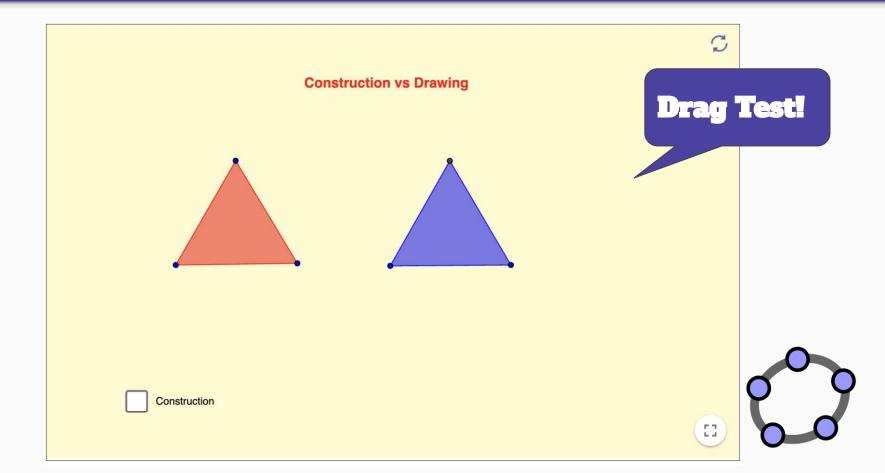


Create those "Aha" Moments



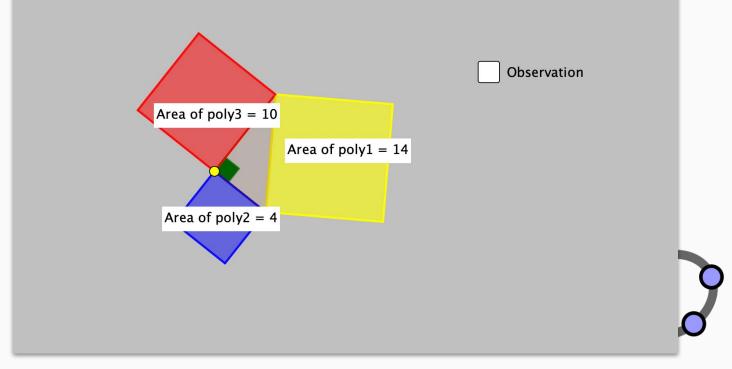


Construction vs Drawing

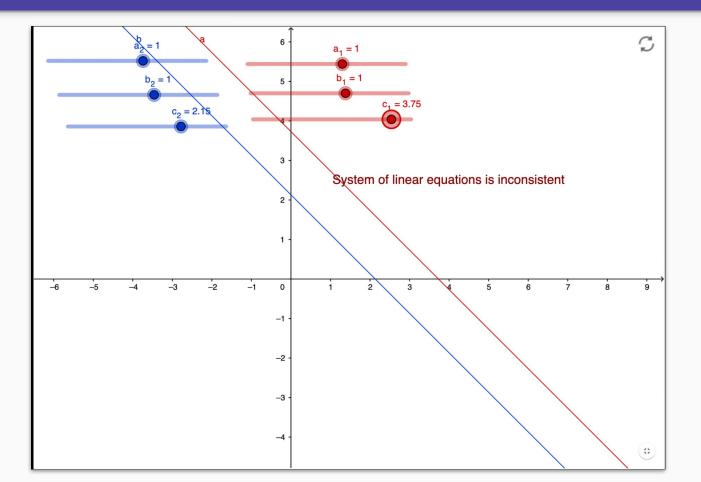


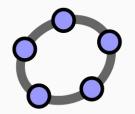
Make Conjectures

Drag the Big Yellow point. What do you observe?

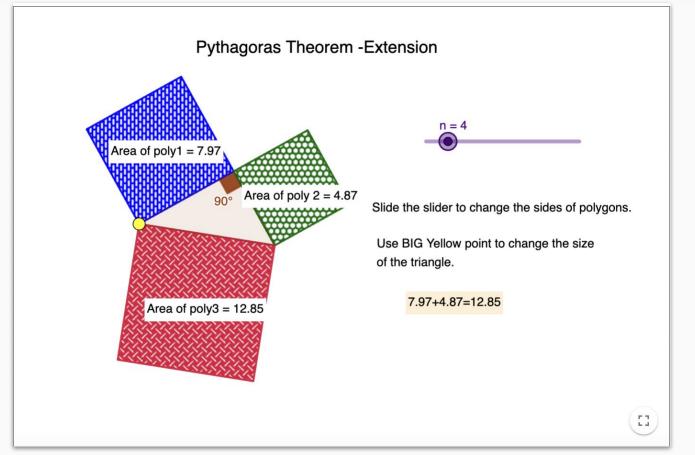


Sliders in GeoGebra

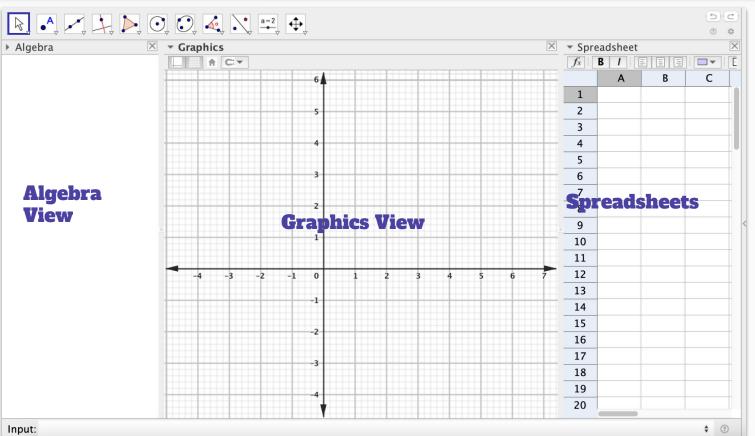




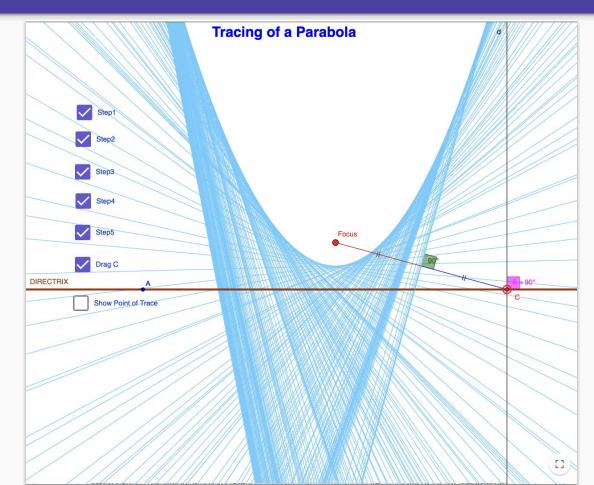
Extensions & Explorations

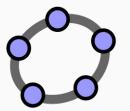


Multiple Representation

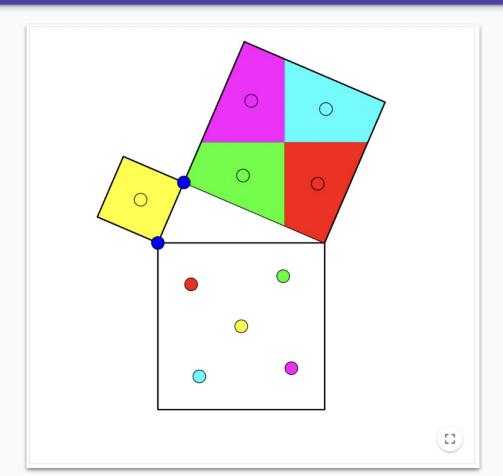


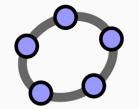
Demonstration Tool- Step by Step Construction



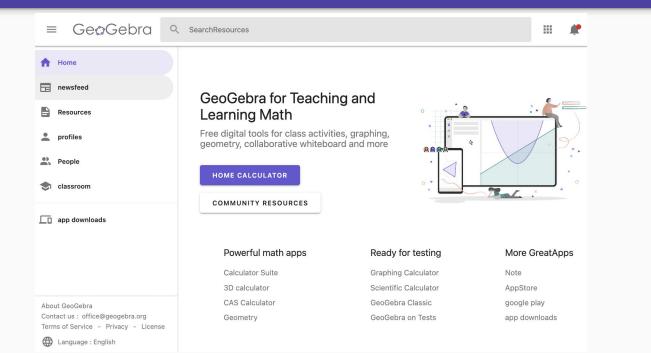


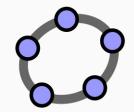
Visual Proofs & GeoGebra Worksheets





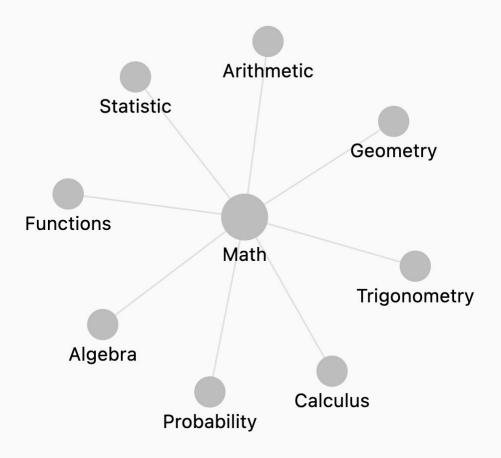
GeoGebra on Web: www.geogebra.org





Nake an account in GeoGebra www.geogebra.org

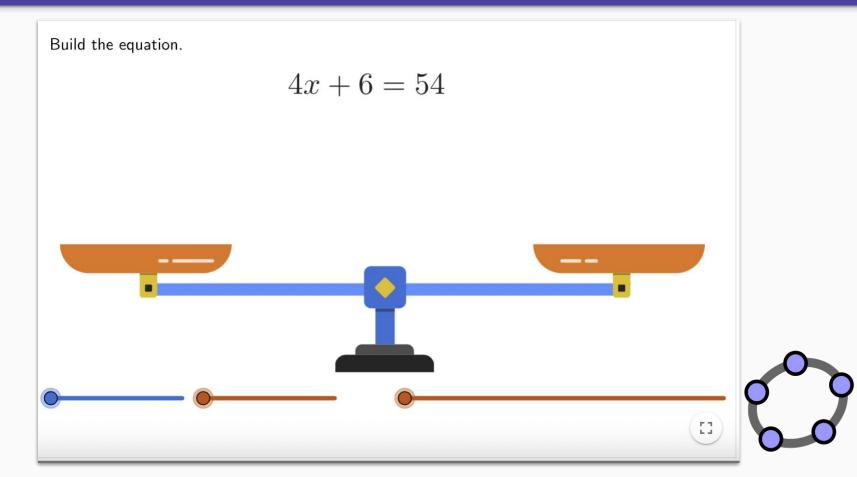
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GeoGebra Classroom: Live conversations with interactive math tools

- *GeoGebra Classroom* is a virtual platform through which teachers can Assign interactive and engaging tasks for students
- View live updated progress of students working on a specific task
- view which tasks students have (or have not) started
- ask the entire class questions and see all student answers instantly
- Hide student names when displaying student responses to questions
- team-teach together by adding co-teachers
- facilitate rich, interactive discussions among all students, groups of students, and individual students.

Experience GeoGebra Classroom



Learn GeoGebra

tutorials

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