



GeoGebra: Yes, it's really THAT easy!

GeoGebra Graphing
Calculator

GeoGebra Geometry

GeoGebra 3D Graphing
Calculator



Materials



Global Math Department Presentation January 31, 2018

GeoGebra Classic



Downloads

Presenters

- **Jen Silverman** ([@jensilvermath](#)) - Independent Math Curriculum and Technology Consultant, ProRadian Protractor Inventor, Illustrative Mathematics 6-8 Math Digital Lead, 14-year classroom veteran.
- **Tim Brzezinski** ([@dynamic_math](#)) - Independent Math-Ed Consultant, Accredited GeoGebra Trainer/Author, Math Adjunct at Central Connecticut State University.
- **Steve Phelps** ([@giohio](#)) - Mathematics Teacher (26 years), Madeira High School in Cincinnati. Cincinnati Math Teacher's Circle leader, workshop presenter and trainer, author, T³ National Instructor.

Goals

- Introduce you to GeoGebra's new “unbundled” apps.
- Show you how to get started with the new GeoGebra apps.
- Encourage you to use one of the unbundled apps in one of your classes tomorrow.
- Convince you that “**Yes, it's really THAT easy!**”

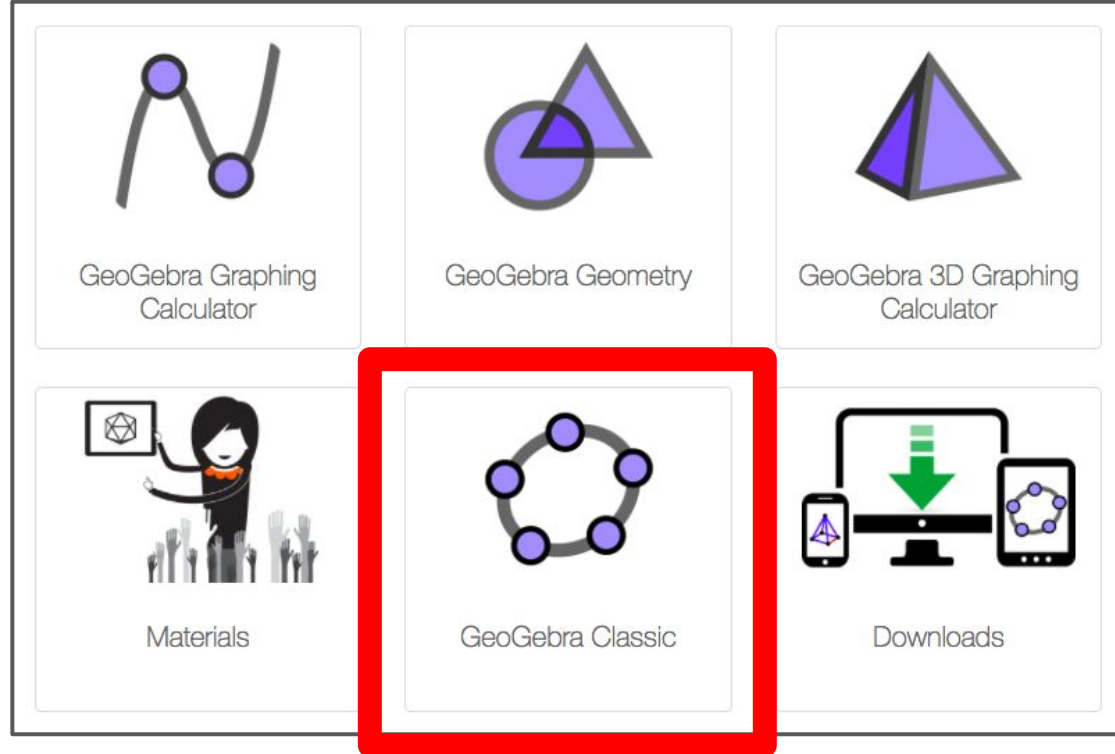
A little history of GeoGebra

- GeoGebra has been around since 2007
 - https://www.maa.org/external_archive/joma/Volume7/Hohenwarter/index.html
- Offices in Linz, Austria on the campus of Johannes Kepler University.
- Over 100 million unique visitors to www.geogebra.org
- Over 10 million active monthly users around the world.
- Over 1 million free interactive materials (i.e “resources”).
- Free for students and teachers to use for non-commercial educational purposes

GeoGebra “Classic” App

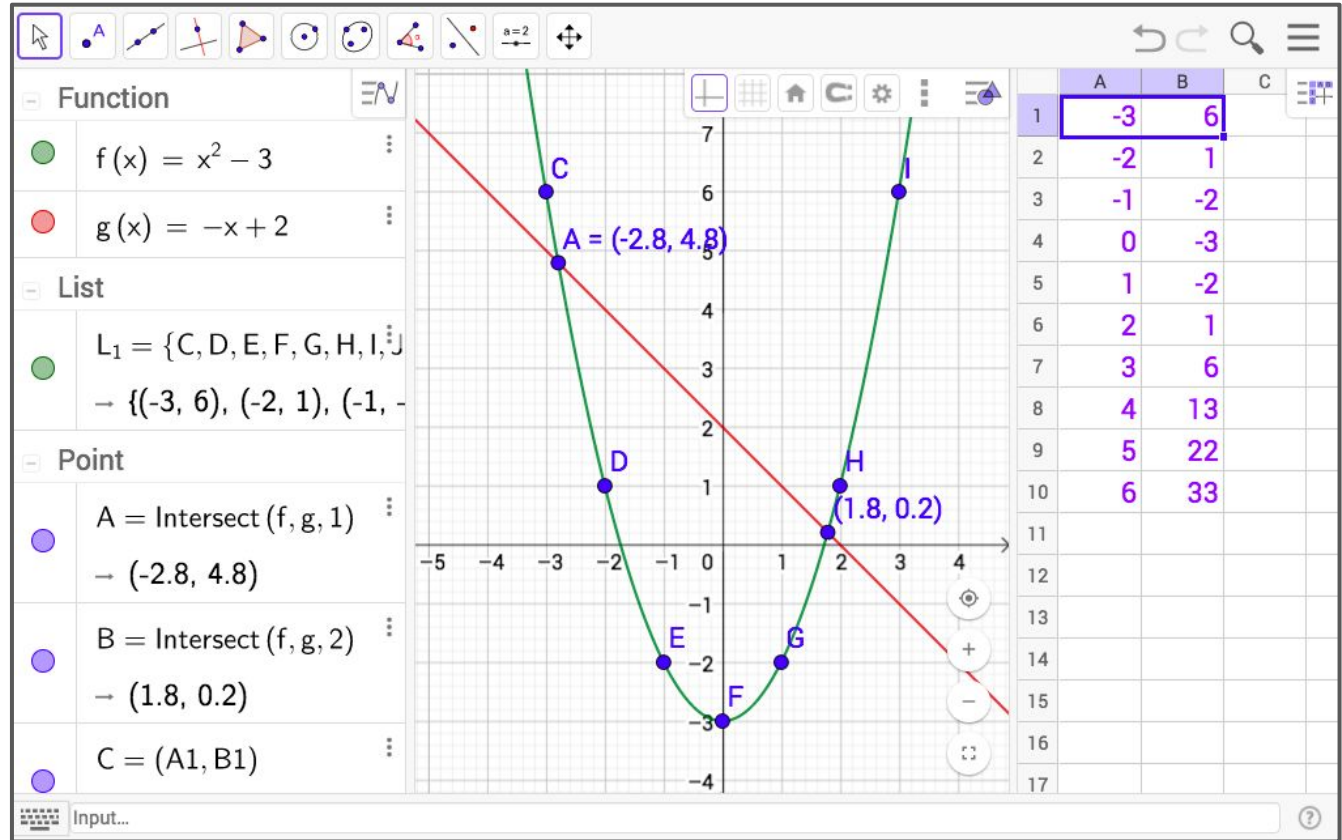
Available at

<https://www.geogebra.org/home>



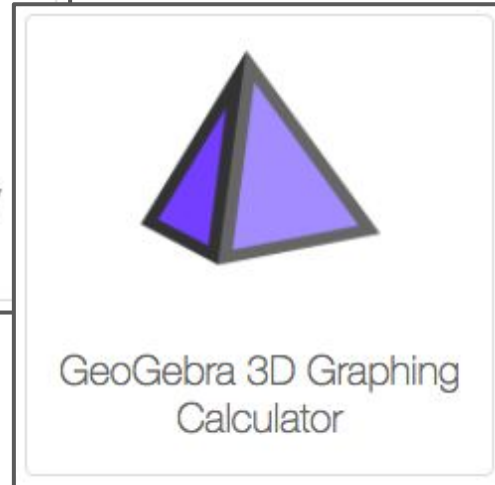
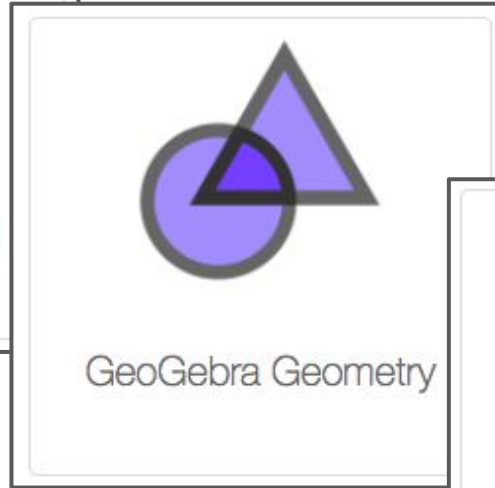
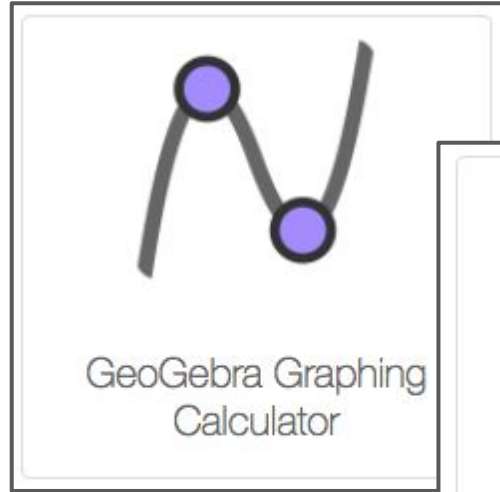
GeoGebra "Classic" App

Brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package.



GeoGebra's “Unbundled” Apps

<https://www.geogebra.org/home>



Graphing App

Geometry App

3D Graphing App

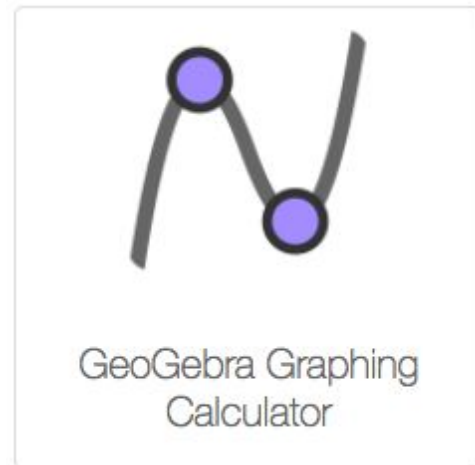
Follow along if you want to...

- But you don't have to.
- Everything we will do starts from <https://www.geogebra.org/home>
- Demonstrating a few “highlights” of each app.
- Feel free to explore any particular app and post questions in the chat.
- We think you will find **it's really THAT easy!**

Graphing Calculator App

Three things I would like to share:

- Graphing functions and using dynamic text.
- Getting to know the menus and tools.
- Curve-fitting, quickly and easily.



Geometry App

Three things I would like to share:

- Quick Discoveries of 2 Geometry Theorems (from scratch)
- Authentic Application Ex: Analyzing Locations of 2 Competing Businesses (**Lowe's** and **Home Depot**) within a geographical area
- Transformational Geometry Tools



GeoGebra Geometry

3D Graphing App

Three things I would like to share:

- Creating polyhedron and nets.
- Graphing lines, planes, and other surfaces.
- Surface of revolution for calculus.

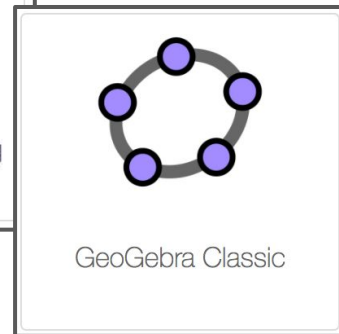
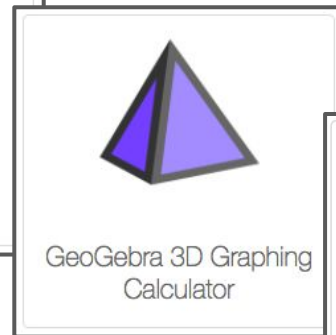
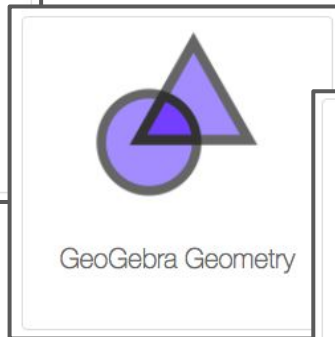
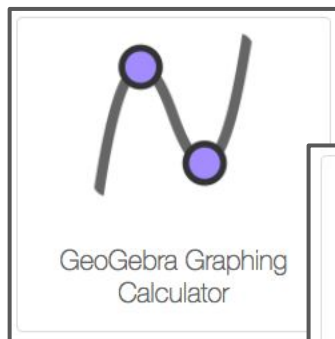


GeoGebra 3D Graphing
Calculator

In closing - four powerhouse apps

Bookmark <https://www.geogebra.org/home>

- Graphing App
- Geometry App
- 3D Graphing App
- Classic App

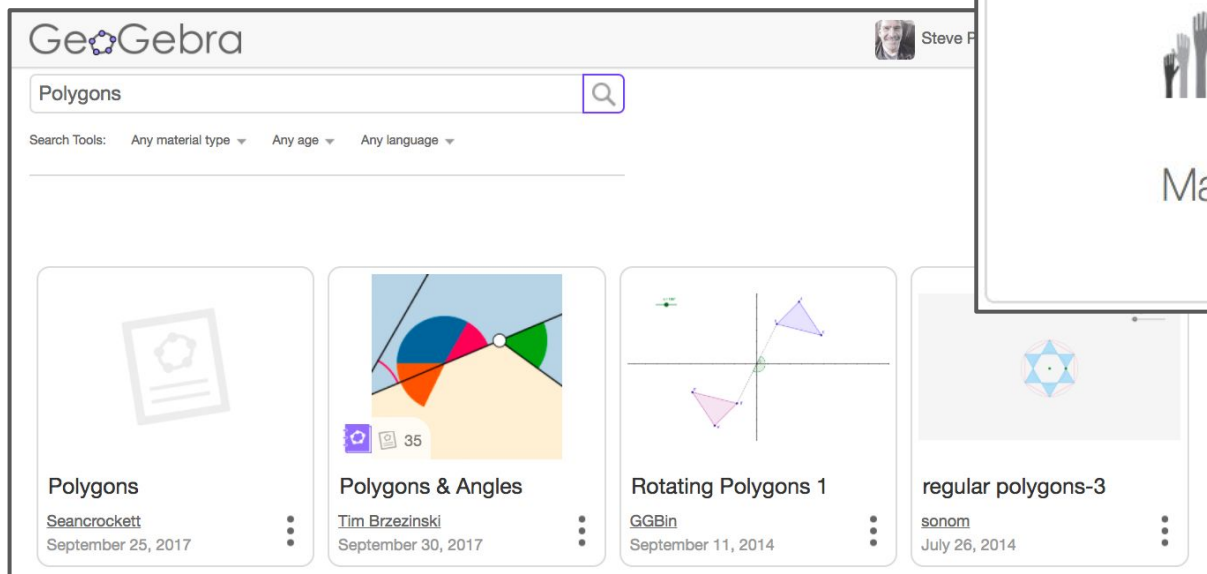


In closing - learning more

- GeoGebra Blog: <http://community.geogebra.org/en/>
- Quickstart Tutorials: <https://wiki.geogebra.org/en/Tutorials>
- User Forum: <https://help.geogebra.org/>
- User Manual: <https://wiki.geogebra.org/en/Manual>
- YouTube Channel: <https://www.youtube.com/user/GeoGebraChannel>
- Graphing App Tutorials: <https://www.geogebra.org/m/EF8UvXvG>
- Exam Mode: <https://www.geogebra.org/exam>

In closing - searching for resources

You can search over a million free and interactive resources at <https://www.geogebra.org/materials/>



In closing - asking for help

Don't hesitate to ask us for help *at any time!*

- Jen Silverman [@jensilvermath](#)
- Tim Brzezinski [@dynamic_math](#)
- Steve Phelps [@giohio](#)
- GeoGebra [@geogebra](#)
- #ggbchat

In closing - our GeoGebra resources

- Jen Silverman <https://www.geogebra.org/jennifer+silverman>
- Tim Brzezinski <https://www.geogebra.org/tbrzezinski>
- Steve Phelps <https://www.geogebra.org/stevephelps>

On behalf of Jen, Tim, and Steve

GeoGebra Graphing
Calculator

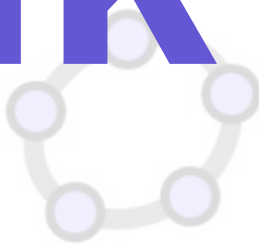
GeoGebra Geometry

GeoGebra 3D Graphing
Calculator

Thank you!



Materials



GeoGebra Classic



Downloads