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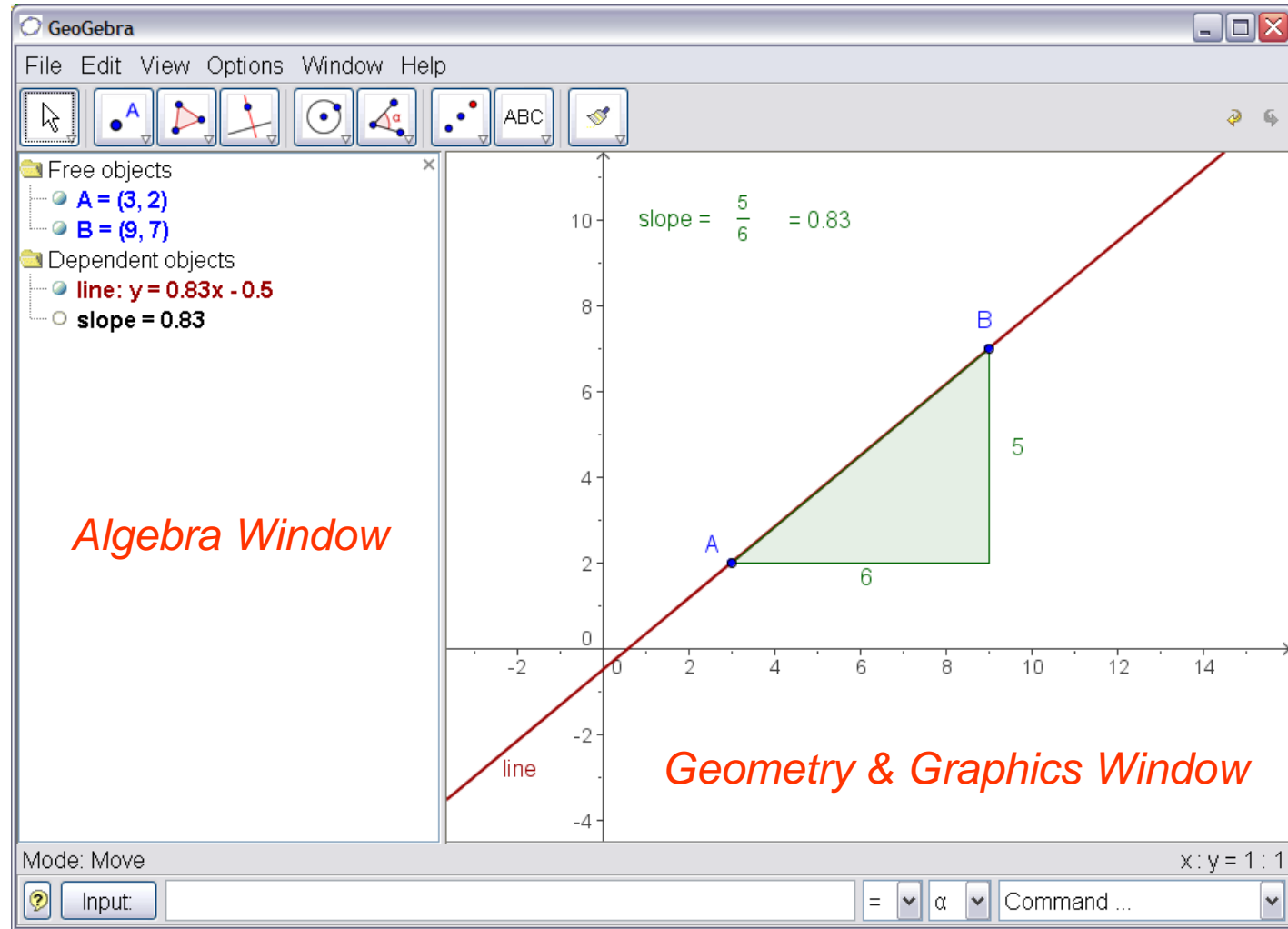
To log on:

- Open internet browser
- Of the 2 available options, click on the 'Guest User' option
- Terms of use - confirm acceptance
- User ID: **MATHEMATICAL2017**
- Password: **RHULMATHEMATICAL2017**

# Overview

- Introduction to GeoGebra
- Trying out GeoGebra
- Pedagogy
- Curriculum
- Practical information

# GeoGebra = Geometry + Algebra



# www.geogebra.org

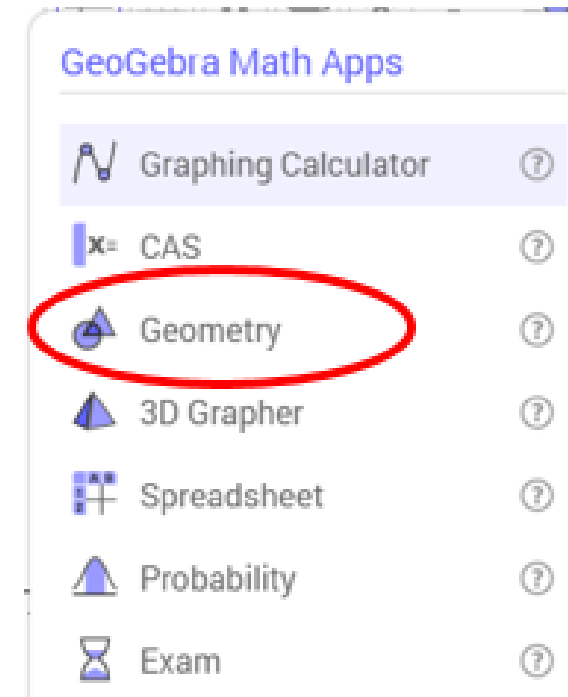
Can download GGB

Can use it online as a web app

Access GeoGebra Tube

## Setting up 2:

Select 'Graphing Calculator' or 'Geometry'

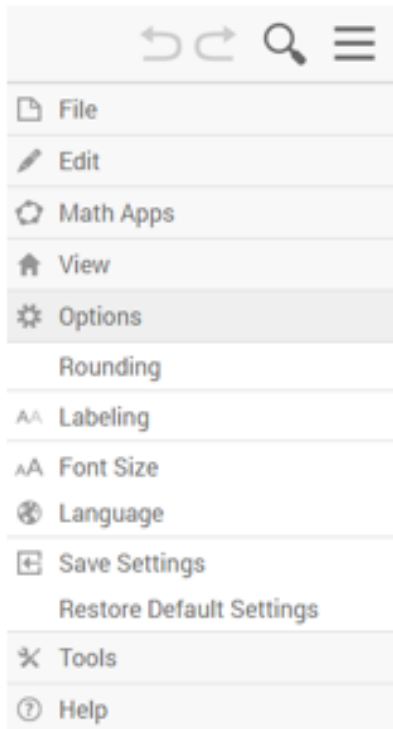


# www.geogebra.org

Some set-up might be needed:

**Two menus.** On the web app there are two menus on the right-hand side.

The upper one will allow you to load/save files (via 'Files').



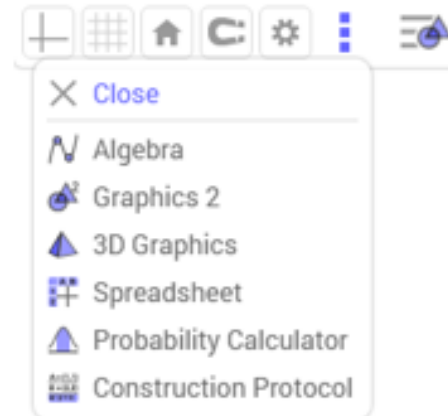
'Options' is particularly useful.

Check that 'Rounding' is set the way you want.

Change 'Labelling' to 'No new objects'?

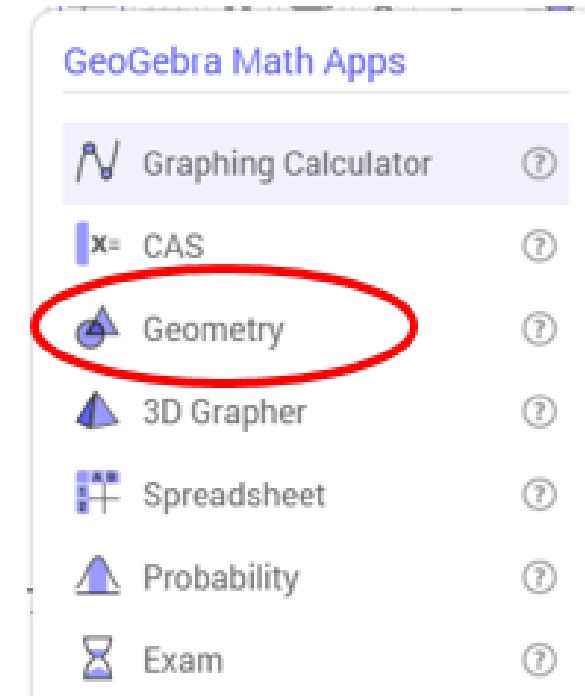
The lower one allows you to have more than one pane available (eg 'Algebra' and 'Graphics') – click on the three dots for this.

You can make changes to axes, grids and also format objects here.



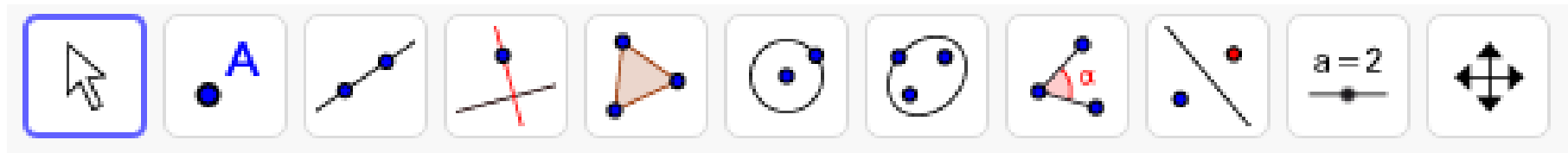
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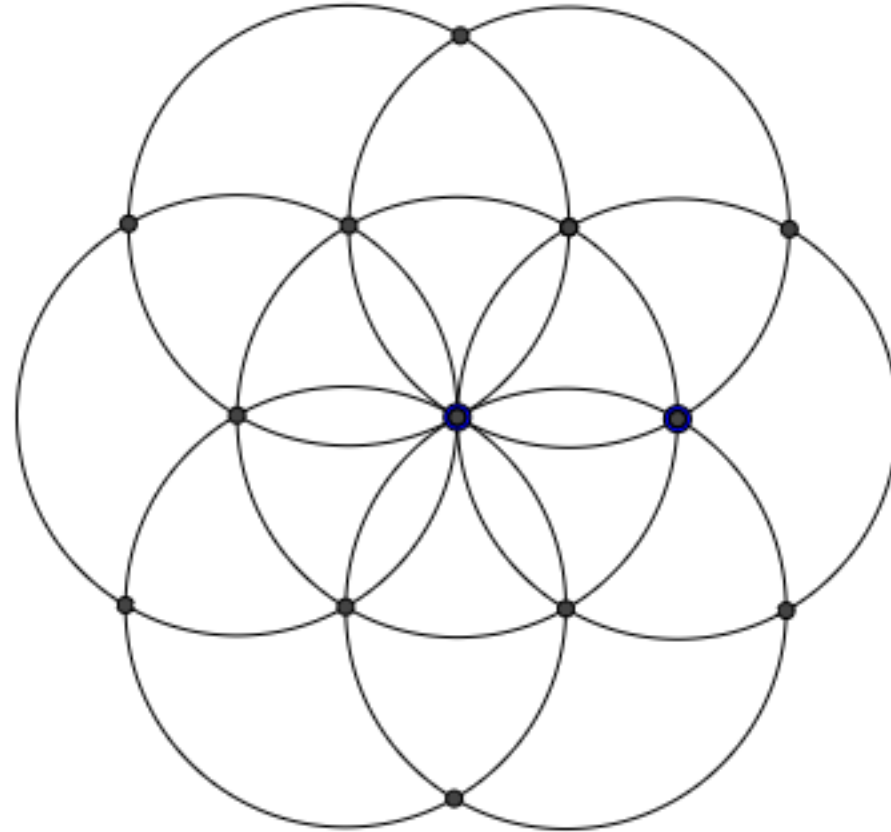


## Using Geometry

The toolbar:



# *Seven Circles*



How has it been created? What properties does it rely on?

What quadrilaterals can you form by joining points on the diagram? Which ones can't you make? Can you prove that they are the shapes you claim them to be?



Use materials at <https://www.geogebra.org/mark+dawes>

