

Teaching Mathematics with Technology - An exploration with Geogebra

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accessing, uploading and sharing your resources

Geogebra.org an OER repository

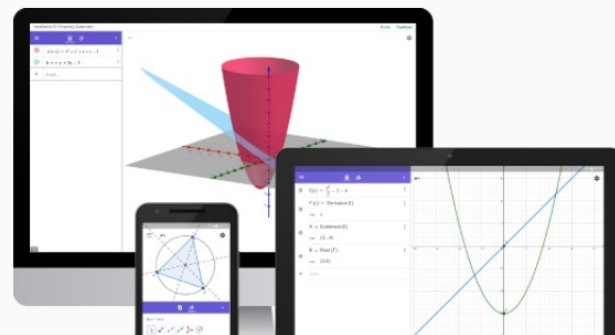
- Geogebra.org has a repository of Geogebra sketches, lesson plans, worksheets and related resources
- You can access Geogebra resources on any topic on this repository for your own use, as it is an OER repository
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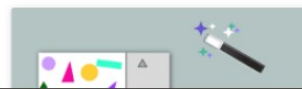
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In the following figure, name the triangle congruent to $\triangle ABC$ and give the reason (a.e. SAS, SSS, ASA, AAS or RHS). Drag to red vertices to make a triangle. Drag to γ point to move it. Click the TRIANGLE to reflect it. Click on ANGLE or SIDE to highlight it.



$\triangle ABC \cong \triangle$ ()

BOOK
Naming Congruent Triangles with
Anthony OR 柯志明

ACTIVITY
Is Penrose triangle possible?
Mathieu Blossier



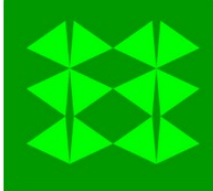
ACTIVITY
Girl in the Mirror
Markus Hohenwarter



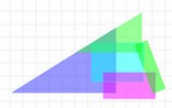
$31.86^\circ + 62.28^\circ + 85.86^\circ = 180^\circ$



ACTIVITY
Triangle Angle Sum Theorem
Tim Brzezinski



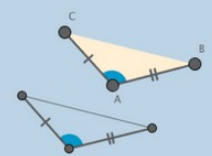
ACTIVITY
A Dozen Rolling Triangles
Steve Phelps



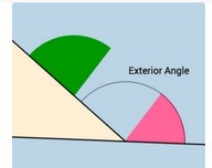
ACTIVITY
Triangle Paradox (Missing square)
Michael Borchers



ACTIVITY
Right Triangle Trigonometry: Intro
Tim Brzezinski

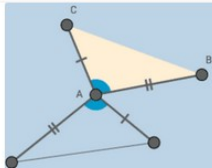


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SAS - Exercise 1A
Tim Brzezinski



Exterior Angle

30-60-90 Triangle
 $LL = 2\sqrt{2}$
 $SL = ?$
 $H = ?$
 $SL = 2\sqrt{6}$ $H = 4\sqrt{6}$



Resources on 'Triangles' from Geogebra.org

Congruent Triangles 1

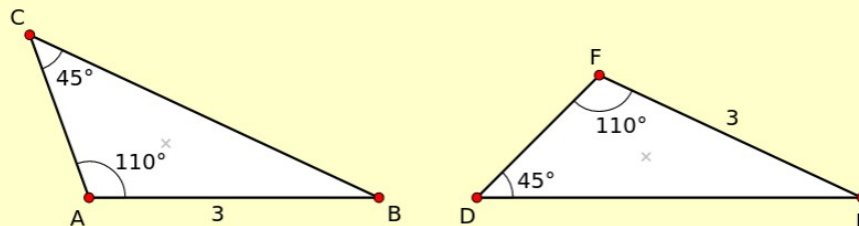
Author: Anthony OR 柯志明

Topic: Triangles

In the following figure, name the triangle congruent to $\triangle ABC$ and give the reason (i.e. SSS, SAS, ASA, AAS or RHS).

Drag its red vertices to rotate a triangle. Drag its $\times$ point to move it.
CLICK THE TRIANGLE to reflect it.

CLICK an ANGLE or SIDE to highlight it.



$$\triangle ABC \cong \triangle \quad (\quad)$$

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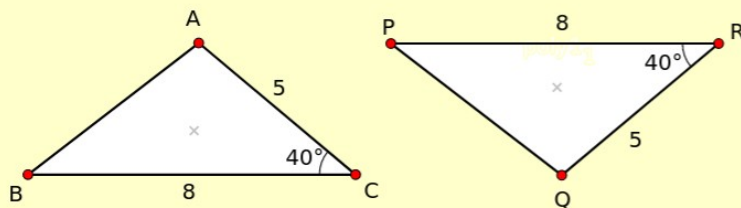


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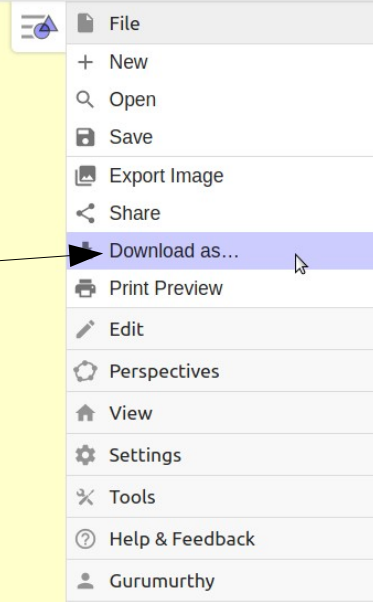
Drag its red vertices to rotate a triangle. Drag its $\times$ point to move it.
CLICK THE TRIANGLE to reflect it.

CLICK an ANGLE or SIDE to highlight it.



$\triangle ABC \cong \triangle$ ()

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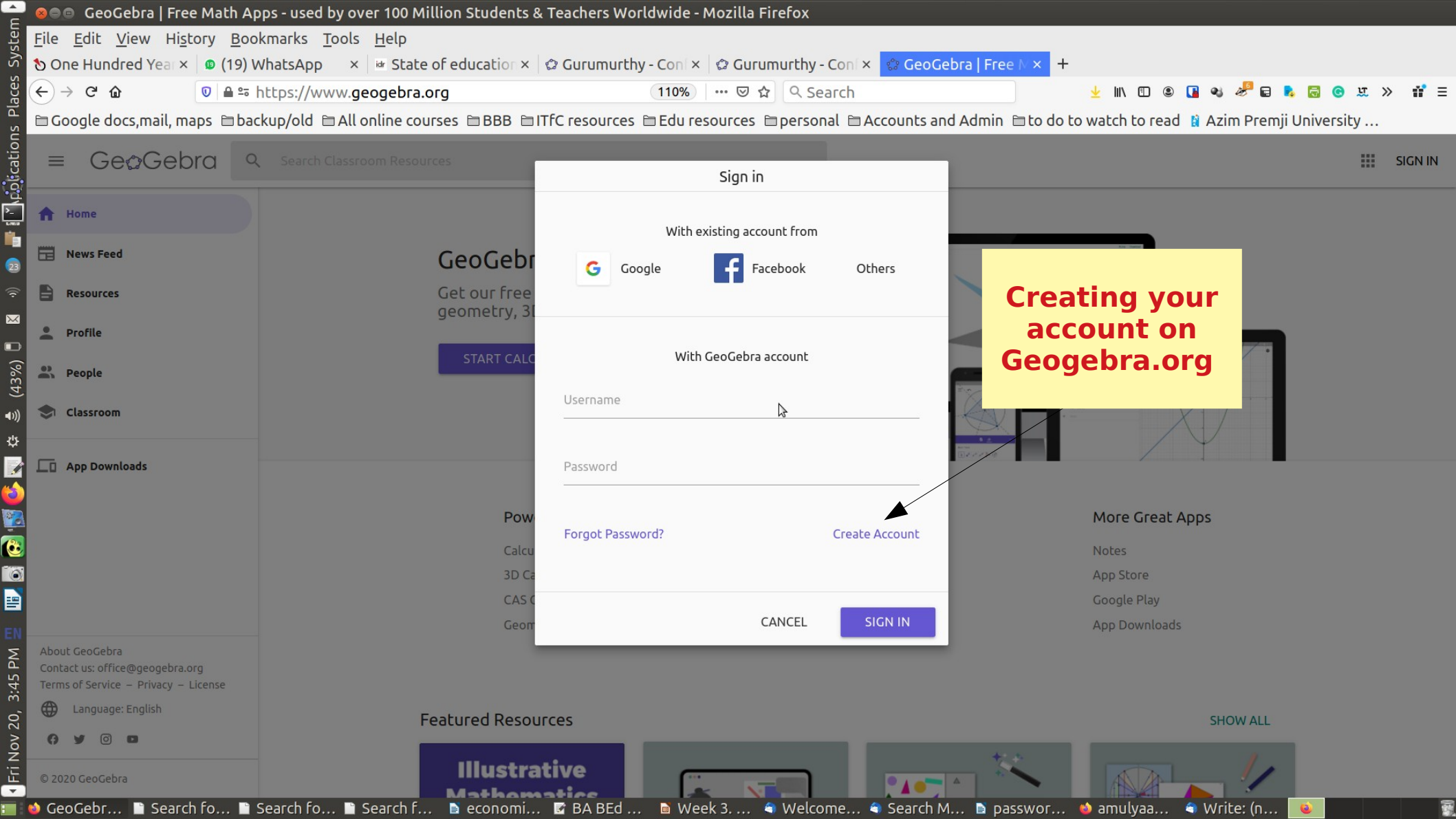
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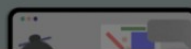
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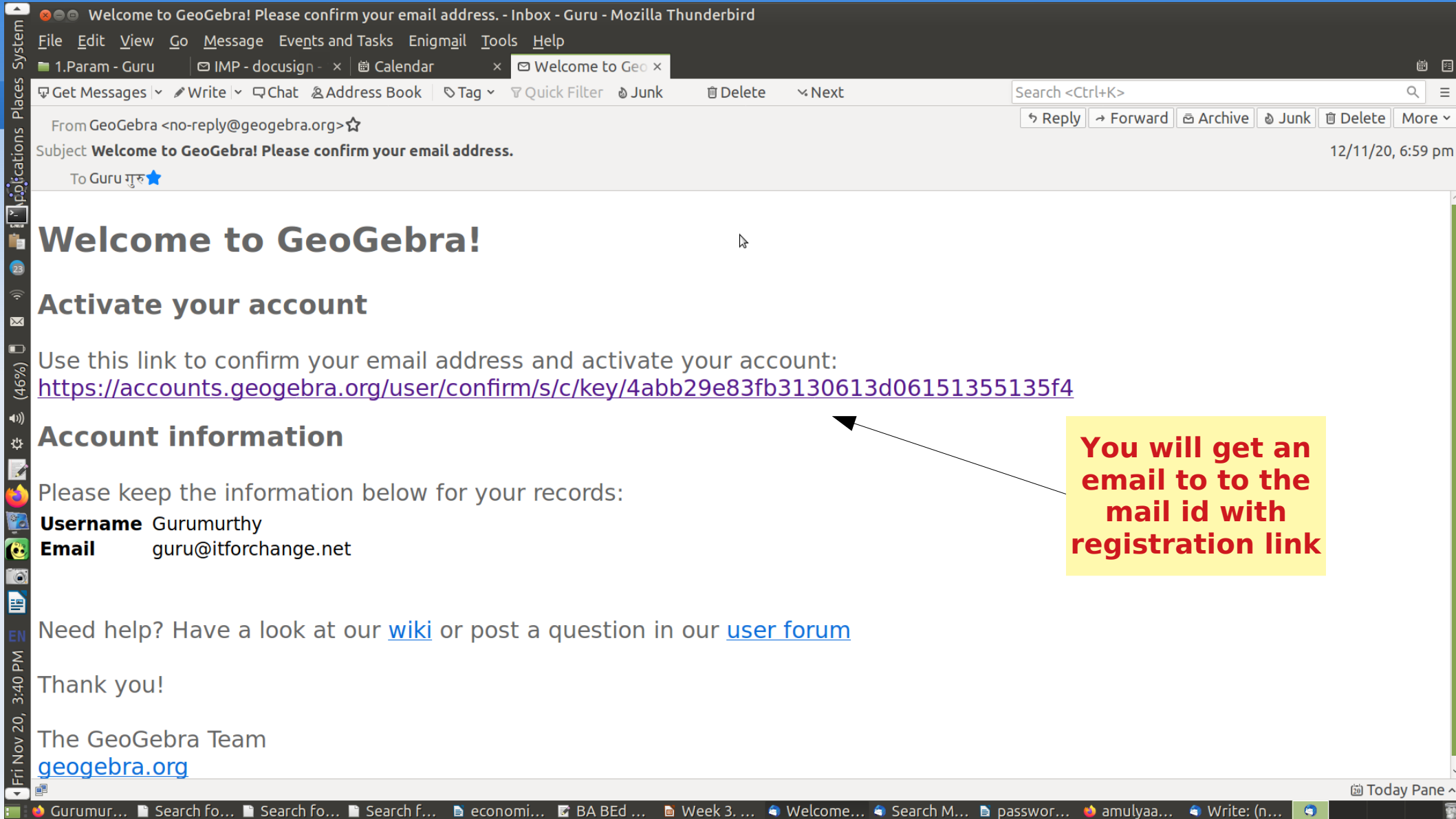
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Account information

Please keep the information below for your records:

Username Gurumurthy
Email guru@itforchange.net

Need help? Have a look at our [wiki](#) or post a question in our [user forum](#)

Thank you!

The GeoGebra Team
[geogebra.org](https://www.geogebra.org)

You will get an email to to the mail id with registration link

Please fill in your profile below to get the best GeoGebra resources and community support from your region.

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Fill information as you would prefer
Click on 'get started' to open your own page in Geogebra

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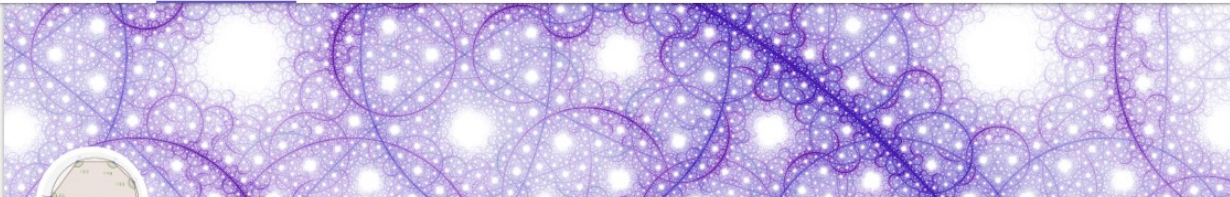
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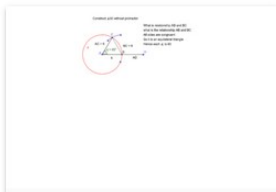
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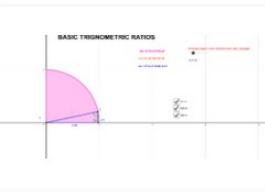
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Public



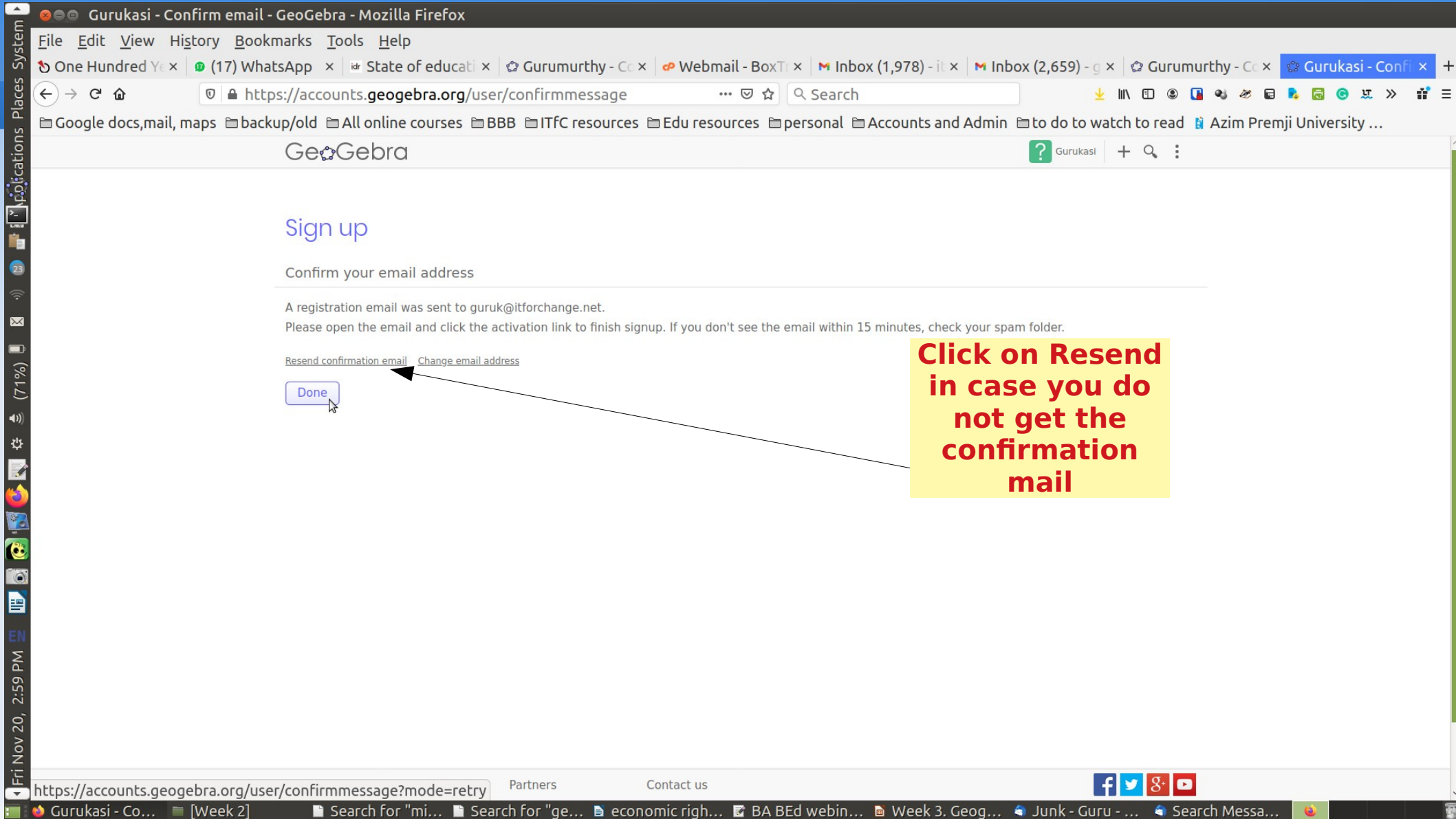
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- Click on 'Create' button to upload your Geogebra file
- You can also upload worksheets, lesson plans and related resources to use the Geogebra file
- After uploading you have to 'publish' the file so that it is visible to others.
- You can copy the 'URL' of this page and share
- Once you publish, anyone with the url can see and download your file and resources

What we learnt

- Downloading OER from Geogebra.org on any Mathematics topic
- Creating our own account on Geogebra.org
- Uploading a OER Geogebra resource created by us on Geogebra.org and publishing the same