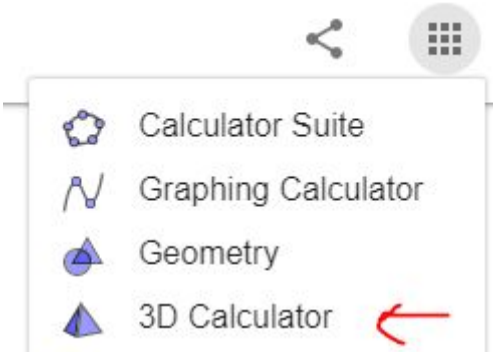
Name: Date:

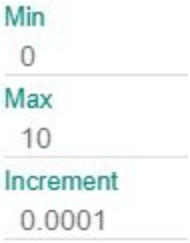
Sphere

1. **<u>Set-Up:</u>** Go to geogebra.org and sign in using your Google email and password. Create an account (this will allow you to save your work!). Make sure to uncheck the boxes on the bottom so that you don't receive emails from the website.
    - Click on +NEW and choose GeoGebra Math Calculators.
    - Select the 3D calculator option:

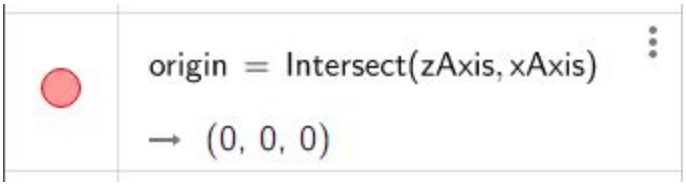


    - Create a slider to manipulate the radius of the sphere:

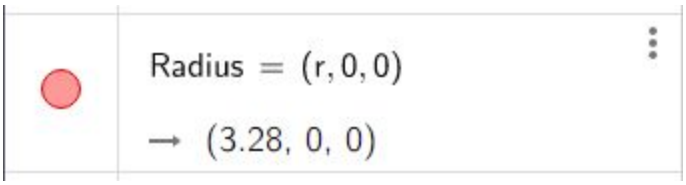
    - Click on the "3-dots" at the top right corner and select "Settings"
    - Go to the "Slider" tab and set the following to these settings:



- Create a point of origin:

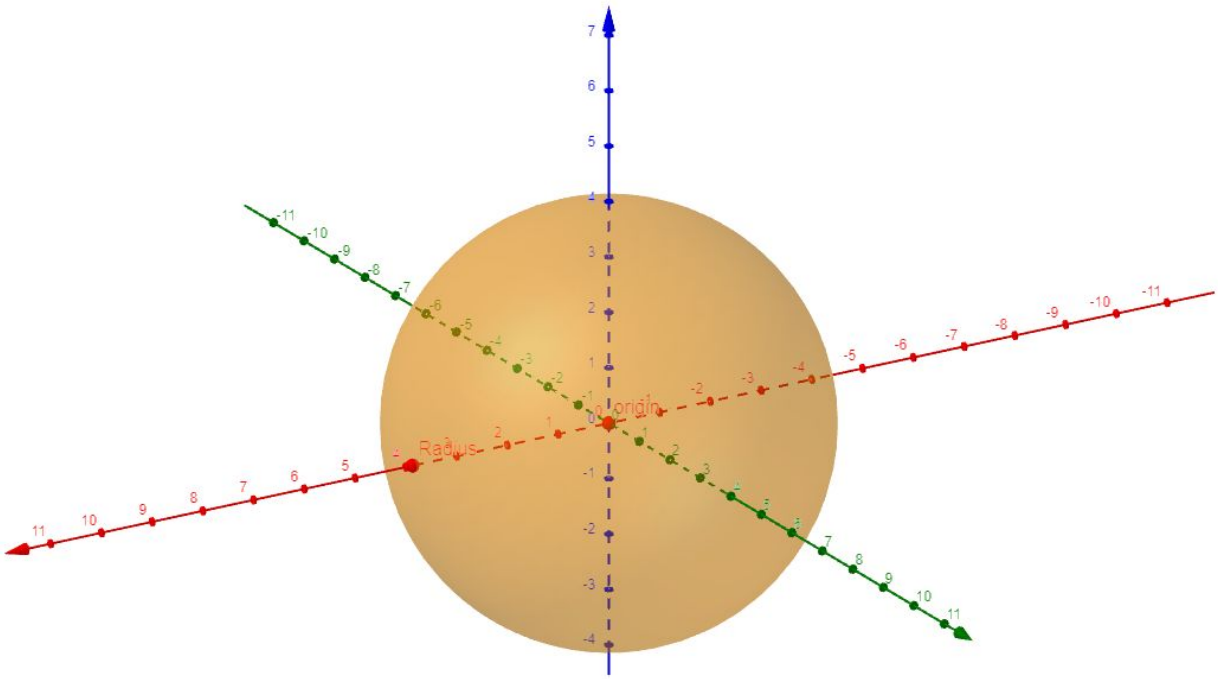


- Create an initial point that corresponds with the radius slider:



2. **<u>Creating a Sphere:</u>** Make sure the slider is GREATER than 0. Switch from "Algebra" mode to "Tools" mode on the purple top-bar. Select the "Sphere: Center & Point" tool 

and select two points. Point origin (the point where the center will be) and Point Radius (the point corresponding to the sphere's radius). Go back to "Algebra" mode and manipulate the slider, this will be the radius of your sphere.



3. **<u>Saving your Object:</u>** Select the “3-Lined Menu” icon on the top left corner and make sure to SAVE! Share your object by clicking the “Share” option and copying the link to send it to the recipient.