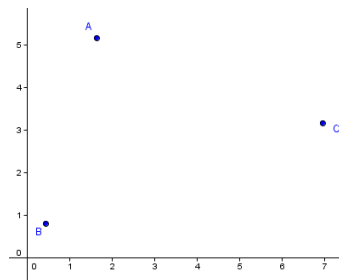
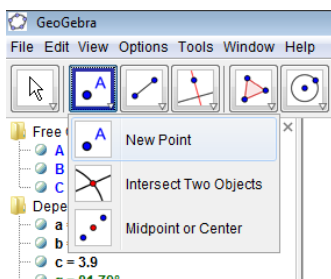


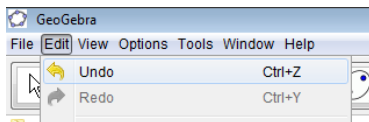
A first GeoGebra task

Make a GeoGebra drawing that shows that the angles in a triangle add to 180 degrees

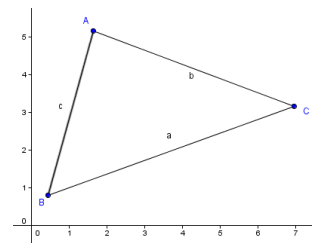
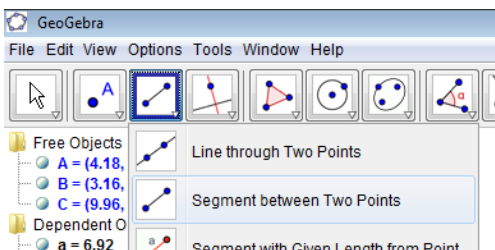
1. Open GeoGebra WebStart.
2. Make three points using the **New Point** tool.



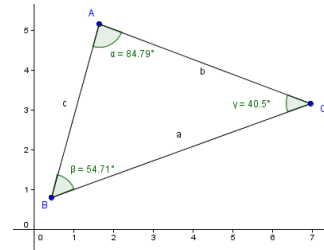
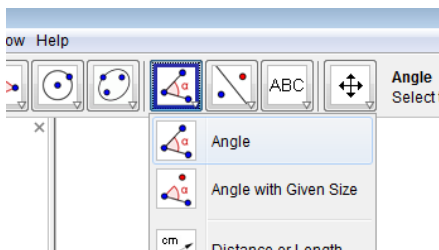
They will automatically be labelled A, B and C. If you make too many points, use **Undo**.



3. Make three line segments connecting the three points. Use the **Segment between Two Points** tool.

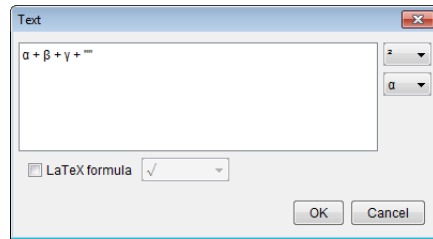
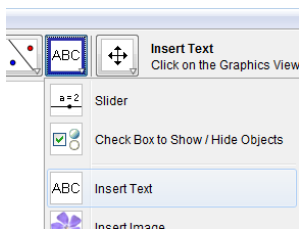


4. Make three angles using the **Angle** tool.



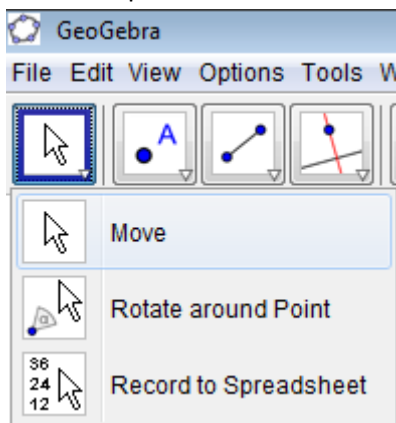
You have to go point-vertex-point in an anti-clockwise direction. Otherwise you get the reflex angle (meaning you get the reflex angle if you go clockwise). The angles will automatically be labelled α , β , and γ .

5. Add the three angles together using the **Insert Text** tool.

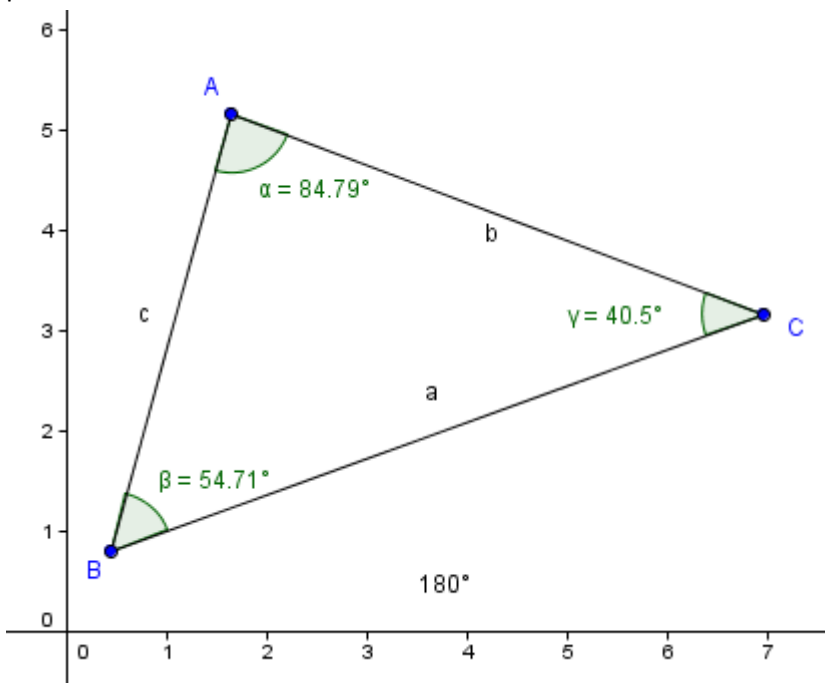


Insert this text: $\alpha + \beta + \gamma + ""$. Putting the + and two quotation marks tells GeoGebra to do the calculation.

6. Move the points around with the **Move** tool.



You can see that the total of the three angles stays at 180 no matter where you move the points. It will look like this...



You can also move the labels around with the **Move** tool so that it looks neater.