**Geometry 101 Assessment:**

When you are ready to demonstrate your understanding of the concepts you studied in Geometry 101, find an image so that you can highlight these concepts.

1. Find an image of a building in your community on the Internet or upload one from your phone or camera. **The image must be saved so that you can access it.

2. Open the GeoGebra Applet using the link below.

3. In order to insert the image, you will need to change the GeoGebra toolbar.
   Along the top of the page, find the button.
   Click in the bottom right corner. Scroll down and click "insert image".
   The button should appear.

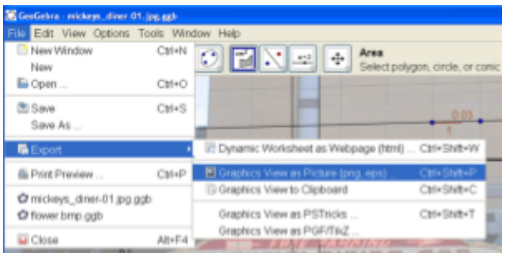
4. Watch the YouTube video to remember how to insert the image you found.

5. Once you have inserted the image, right click on the image and select "object properties". Under the "style" tab, adjust the "filling" to make the object transparent (50-60).

6. Use GeoGebra to label or do the following:
   a. points ,
   b. line segments and lines ,
   c. a right angle ,
   d. construct two lines that you think are parallel, use the slope button to determine if your conjecture was right,
   e. construct two lines that you think are perpendicular, use the slope button to determine if your conjecture was right,
   f. take a surface, such as windows or siding, and determine the total surface area of this material by constructing polygons and calculating the areas .

   If you double click on anything you can change the color and/or thickness by clicking on "object properties".

7. Once you have completely labeled your image, save your work as an image.




8. Go to the Voice Thread link, register for an account and create a voice thread. Upload the image you created in GeoGebra and comment on the Geometry that you highlighted. You can use the "doodle" option to point out specific concepts. As you talk about the surface area you calculated, comment on what the scale factor of the image is in relation to the actual building. Copy the link and paste in the forum.

9. Add a comment at least two other Voice Threads highlighting additional geometry concepts or asking a specific geometry question.