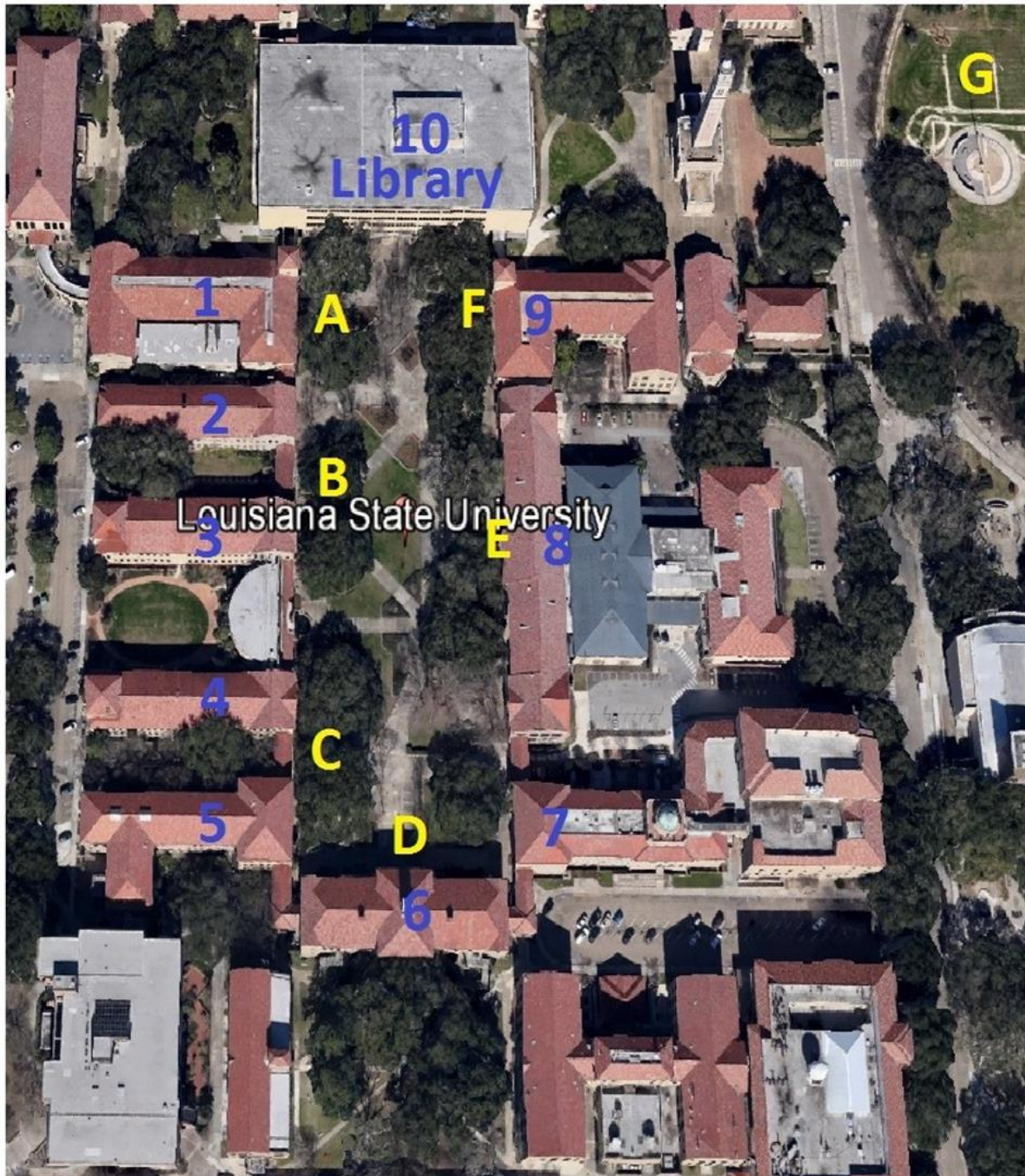


## Learning how to measure using ArcGIS measuring tools!

In the image of Louisiana State University campus below, you will see that each building on campus has a number on the buildings and elsewhere on campus has been labeled with a letter.



Using the online measurement tools built into ArcGIS find the measurements requested below. Round your answers to nearest foot or meter.

1. To find the tool and area of interest, go to [www.arcgis.com](http://www.arcgis.com). Click the “Map” tab at the top of the screen.
2. On the left, click the 4 square icon called “Basemap”.
3. Scroll and select “Imagery with Labels”.
4. On the bottom right click the wrench icon and select “Search”.
5. Type into the search bar “Louisiana State University” and zoom into the area of interest seen in the image above.
  - a. Hint: LSU’s quadrangle is oriented between the LSU Football Stadium and the Parade Grounds.
6. To open the measuring tool, select the wrench icon and select the “Measurement” tab.
7. To measure distance, click once at your starting point and double-click at your ending point. If you click the drop-down arrow, you can change your unit. Click “New measurement” when you are ready to move on to the next distance.
8. To measure area, click the ruler and polygon icon next to the trash can icon. Click once to start your measurement and click again to change the direction of your measurement. Double-click to stop measuring.

Requested measurement:	answer in feet	answer in meters
1. How far does a student need to walk from (Point A) to (Point G)?		
2. If Dr. Rohli’s students are in Building #6 how far is it to walk to the library (Bldg. # 10)?		
3. A student is sent to pick up lunch orders at each of these buildings (#1- #10), how far is their roundtrip?		
4. If a student walks to the LSU Library from building #6, how much further do they have to walk than a student in building #3?		
5. How much area is covered by Bldg #6? (Est sq.ft./sq.m.)		
6. How much area is covered by Bldg #8? (Est sq.ft./sq.m.)		
7. Which building is larger, Building 6 or 8? (Est sq.ft./sq.m.)		
8. How much roofing space is there on Buildings #1, #2, #3, #4, #6 and #10?		
9. If Dr. Rohli’s students are going to the flagpole (G) from his classroom in Building #5 how far do they have to walk?		

**Bonus Question:**

What is the Latitude/Longitude (decimal degrees (DD) to two places (ex: 20.53)) coordinates for the flagpole (G)?

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