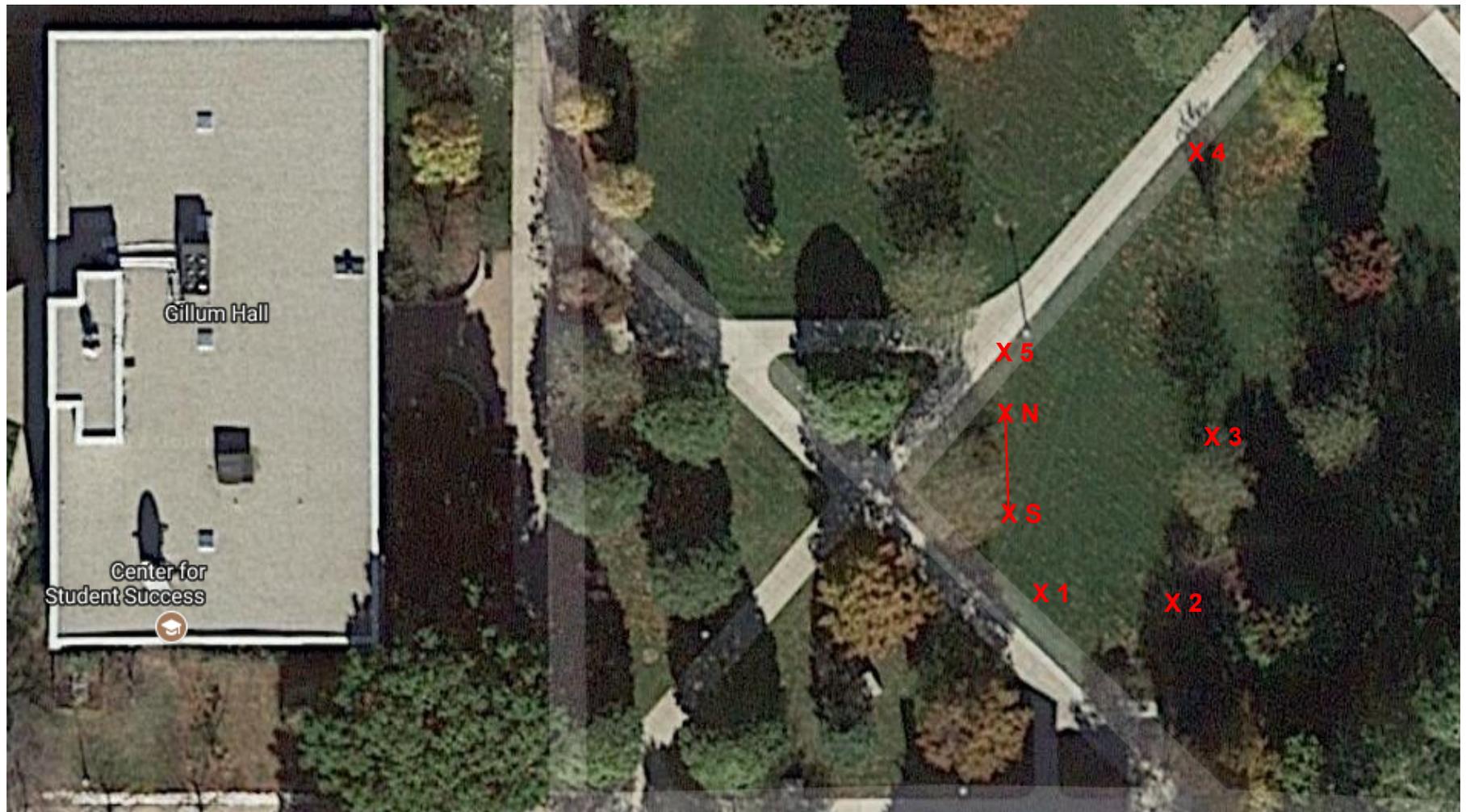


# Traverse Geometry Lab



## Instructions:

You are to provide a diagram of the property lines with corners 1, 2, 3, 4 & 5. This diagram corresponds to actual stakes placed in the field. A reference plane is provided to orient the instrument North and South. the instrument is set-up over a point (either N or S) and then aligned to the reference plane. Once the instrument is set up correctly, a prism pole is placed (plumb) over each of the 5 corners. Your job is to take the information provided by the Total Station for the horizontal angle, vertical angle and slope distance to calculate the length of the sides of the 5 sided shape, as well as the interior angles formed.



**DISTANCE:**

1-2

2-3

3-4

4-5

5-1

**ANGLE:**

1

2

3

4

5

