ARTH 4591
Georeferencing in ArcGIS Pro

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What is Georeferencing?

Assigning spatial location to a dataset.

Datasets can be...

- Historic Maps
- Aerial Photographs
- Construction Drawings
- Architectural Plans
...
ArcMap Georeferencing Steps

1. Add the basemap
2. Add the raster dataset to be georeferenced
3. Add control points
4. Transform the raster dataset
5. Save (create georeferencing world files)
6. Rectify to create a new raster dataset (optional)
ArcMap Georeferencing Toolbar
Transformation Types

Layer to be georeferenced

1st Order / Affine
3 control points

2nd Order
6 control points

3rd Order
10 control points
Today’s Maps