



CAD and GIS words that do not mean what you think they mean



DATA

- GIS: Facts and statistics collected together for reference or analysis.
- CAD: That gold guy on Star Trek



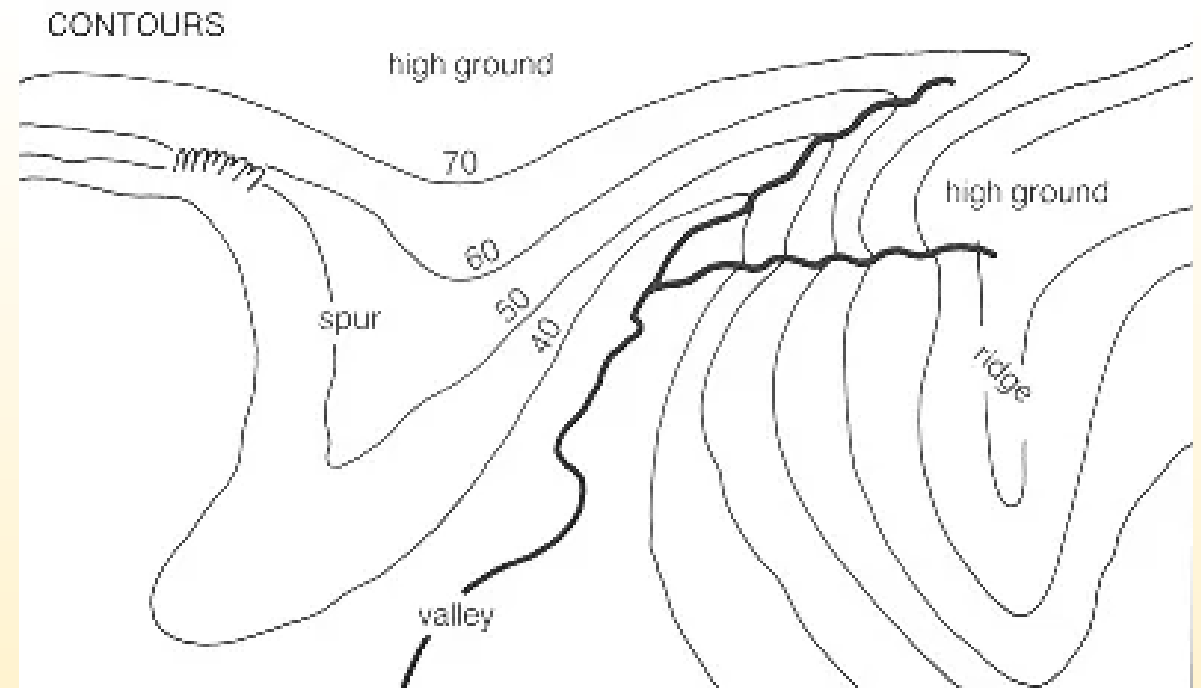
ELEVATION

- Architectural: a view of a building seen from one side, a flat representation of one façade from one direction
- Civil: mean distance above sea level



TOPO

- Contours. That's all, nothing else.
- Short for topography – all surface features
- Common problem for MD SHA work



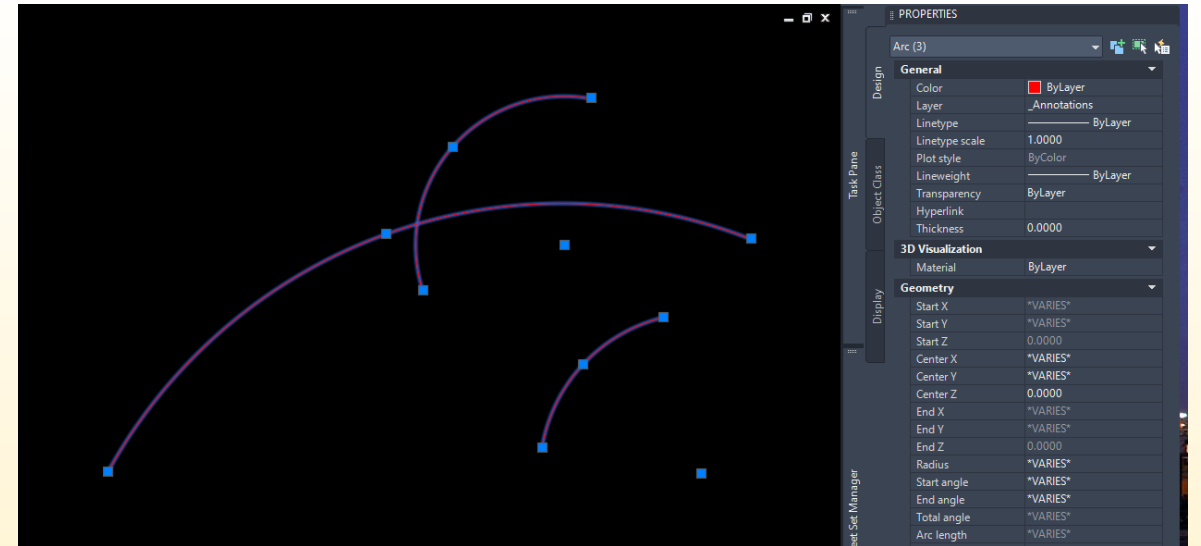
ANNOTATION

- GIS: A type of feature class which stores a text label and information about its position, size, and rotation.
- CAD: Generic term for any kind of labeling - text, leaders, notes, everything.



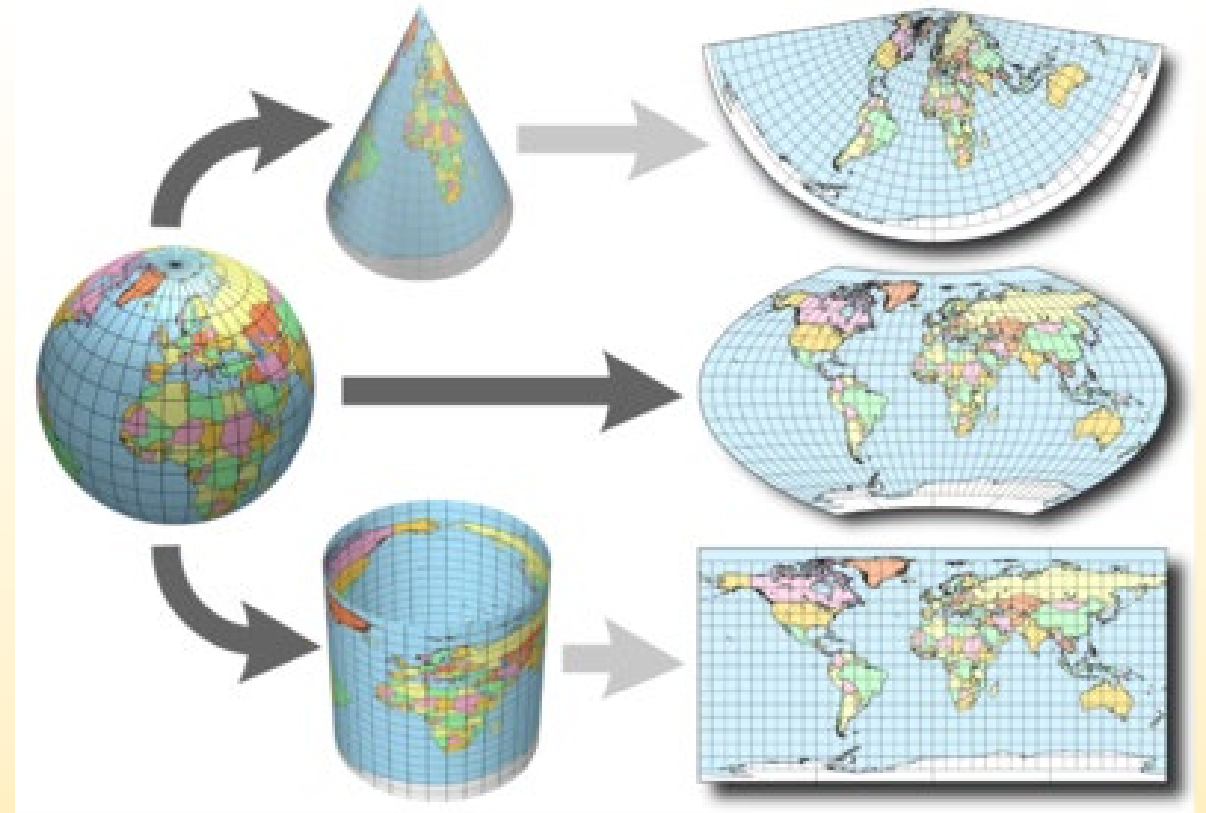
ARC

- GIS: A nickname for Esri software such as ArcView, Arc Map, Arc Catalog, or ArcGIS Pro
- CAD: An object representing a curve with a consistent radius, such as a partial circle



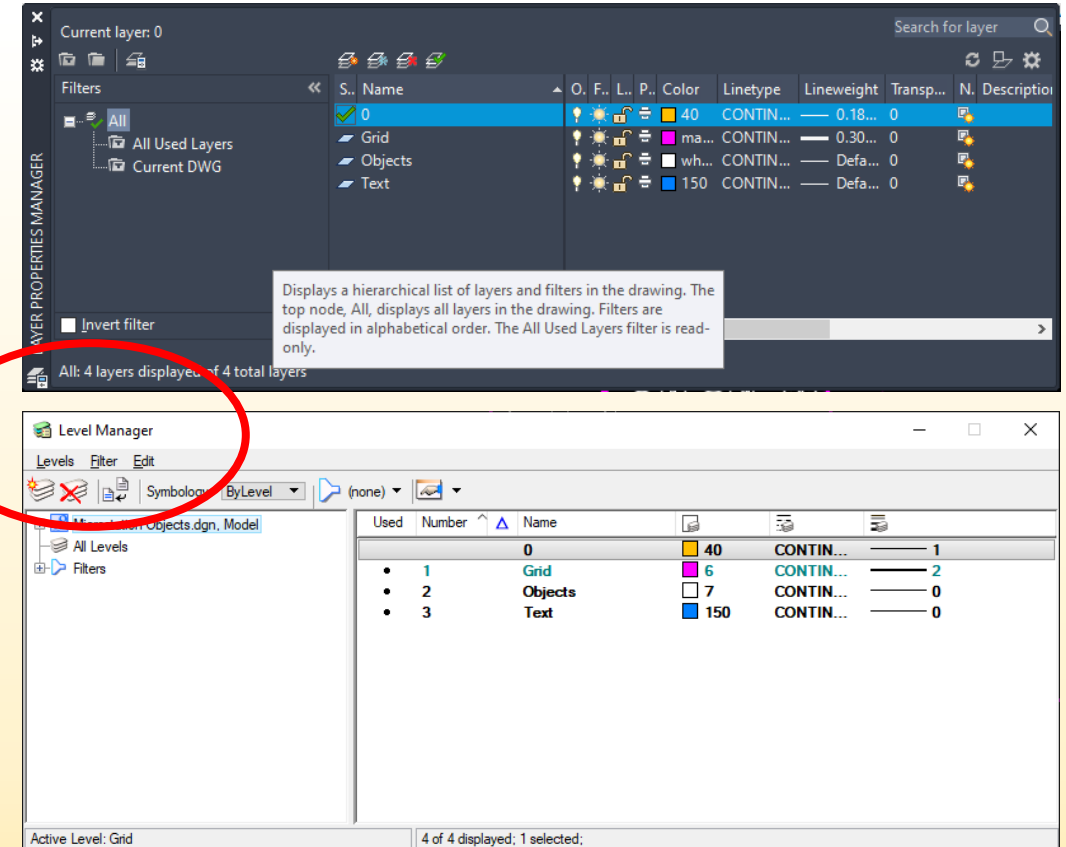
COORDINATE SYSTEM

- GIS: A pre-defined system of numbers used to represent locations
- CAD: A pre-defined system of numbers used to represent locations in space
 - AutoCAD – User Coordinate System (UCS)
 - Microstation – Auxiliary Coordinate System (ACS)



LAYER

- GIS: A collection of geographical data with a specific source and single geometry type
- CAD: A *place* in which data are stored
 - Can contain all object types
 - Must have unique names
 - Can be turned on/off like GIS layers
 - Really just an attribute used for differentiating objects



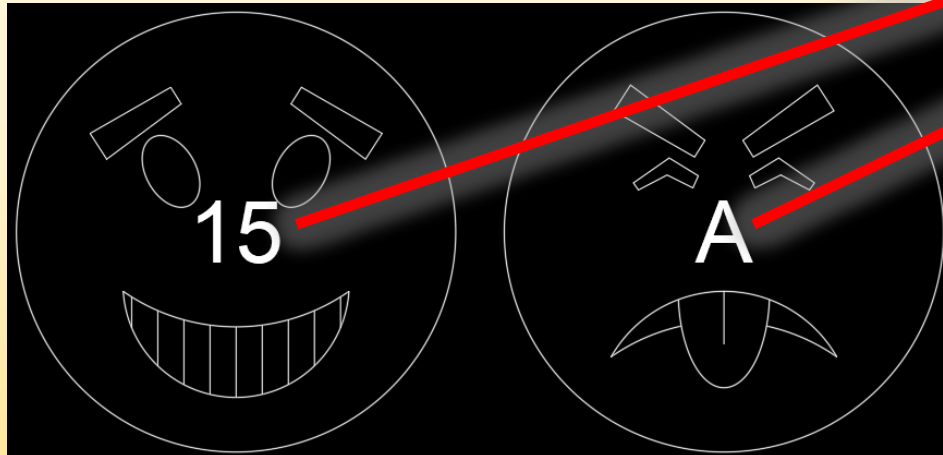
POINT

- GIS: A location in 3-dimensional space
 - One of the three major GIS geometry types
 - Point data contained in point feature classes
- CAD: A one-dimensional CAD object
 - Represents a location in 3D space
 - Non-point CAD objects can operate as point data for GIS



ATTRIBUTE

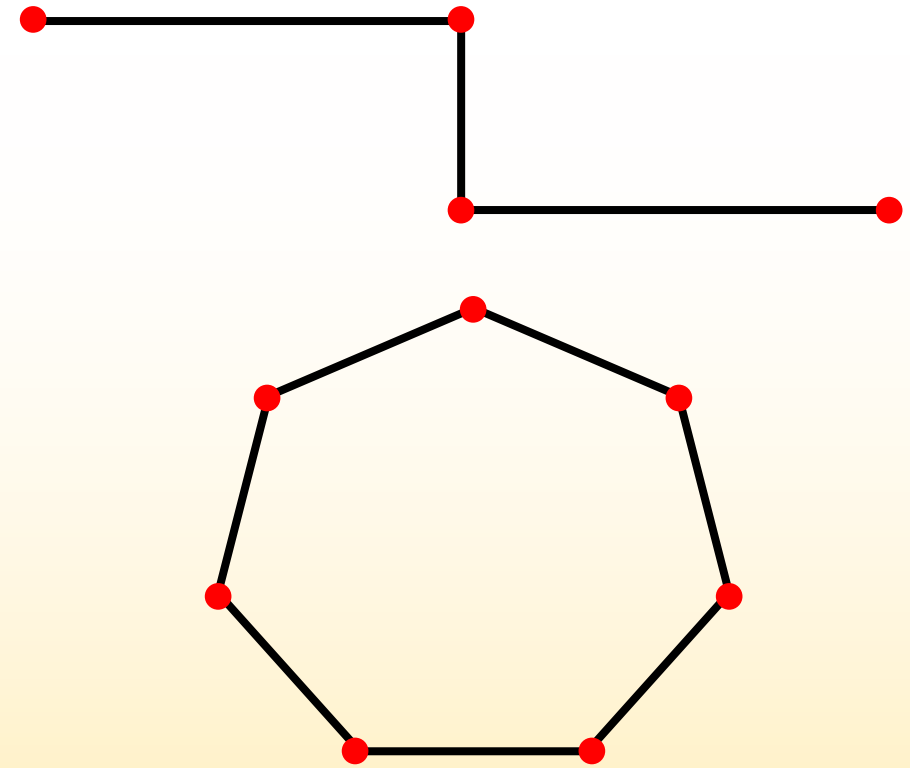
- GIS: Any nonspatial information about a geographic feature
- AutoCAD: An object that acts as a label or tag to attach data to a block



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BONUS WORD: VERTEX

- Vertex: One of the angular points on a polygon or polyline
- Vertexes: Not a thing
- Vertices: Plural of vertex
- Verticy: NOPE





Questions?