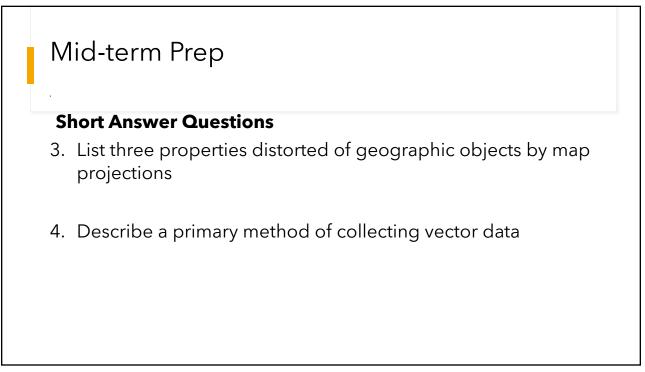


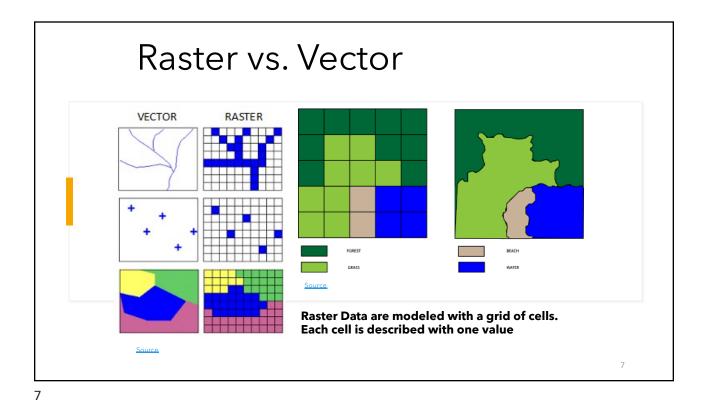
Mid-term Prep

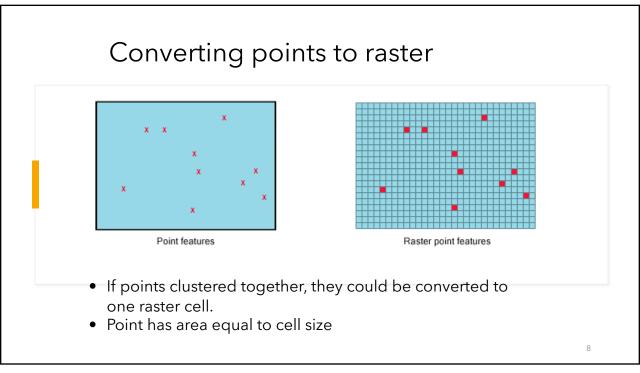
Short Answer Questions

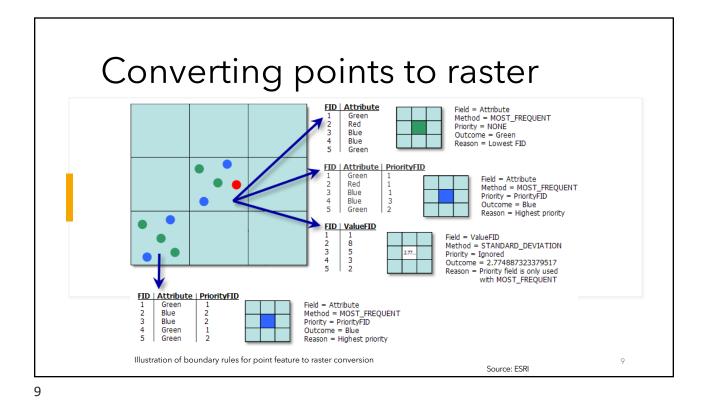
- 1. What is the difference between a GIS data model and GIS file format?
 - Here you would be expected to explain your understanding a data model contrasting that with a file format.
 - Data model how geographic objects are represented for computational purposes
 - File format how data arranged and compressed in a computer file
- 2. In the context of representing geographic phenomena, what the fieldbased view of the world?
 - The field-based view represents geographic space as a continuous distribution of phenomena. This representation is done with the aid of the raster-data model where a grid of cells is used to represent every point in the geographic space.
 - The field-based view conceptualises space as a continuous surface modeled by a mathematical function such that one is able to get a value at any point on this surface. This continuous surface is represented with the raster-data model where a grid of cells is used to represent the values from such a mathematical function.

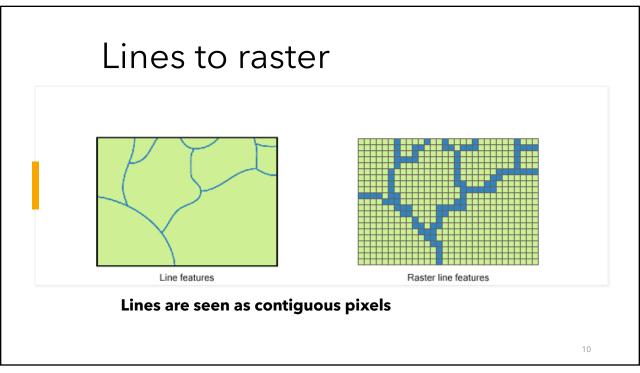


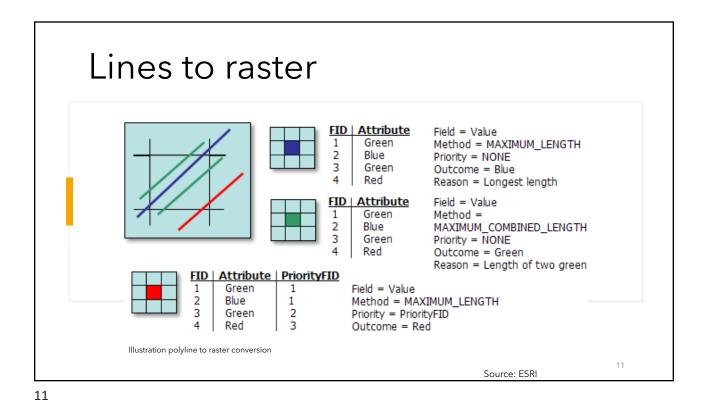


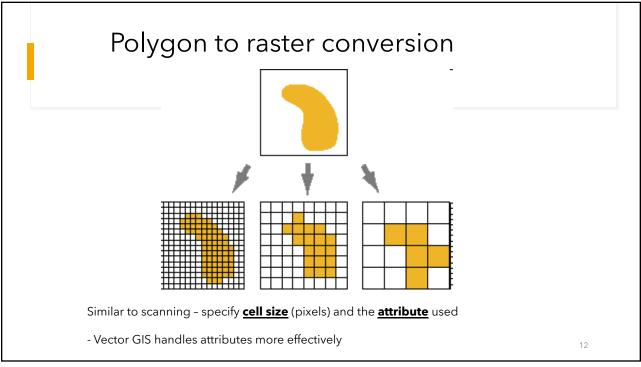


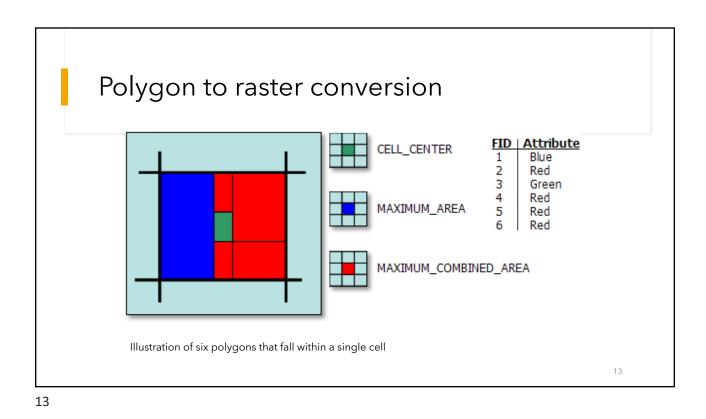


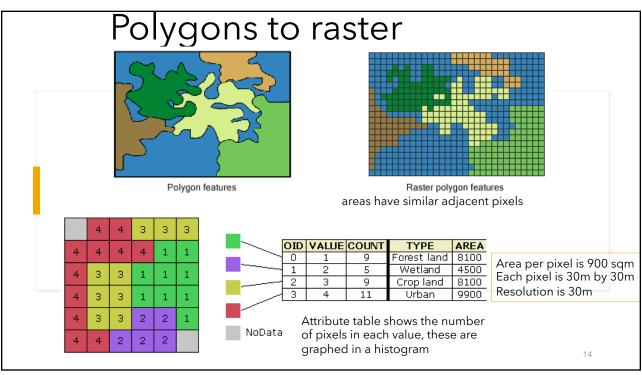


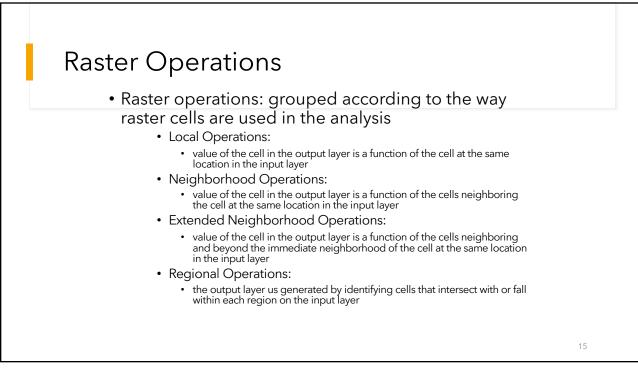


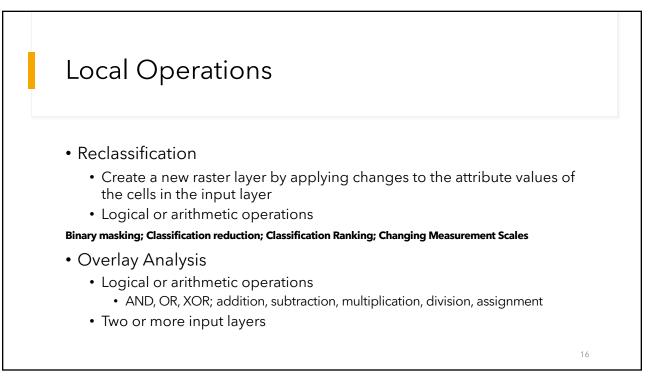


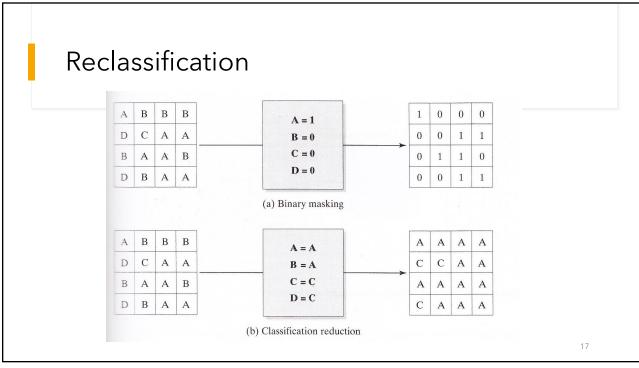


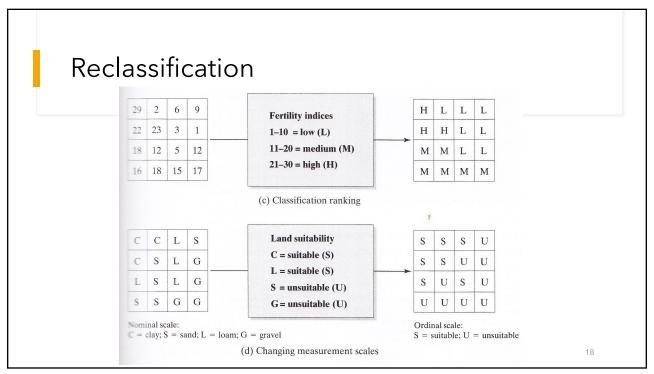


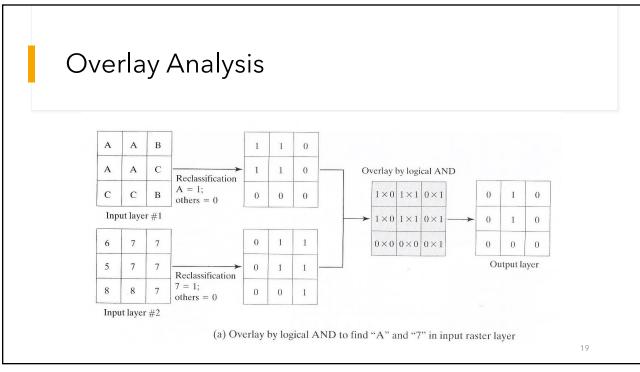




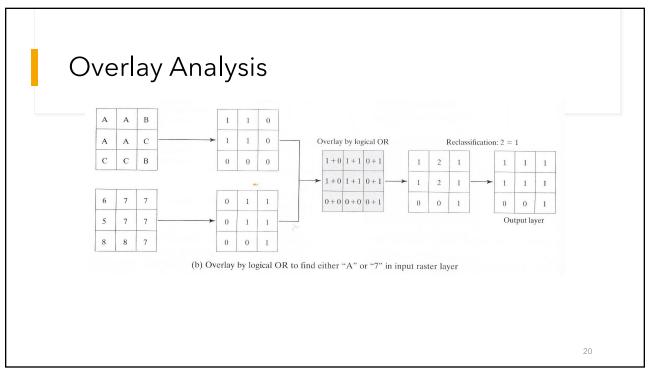


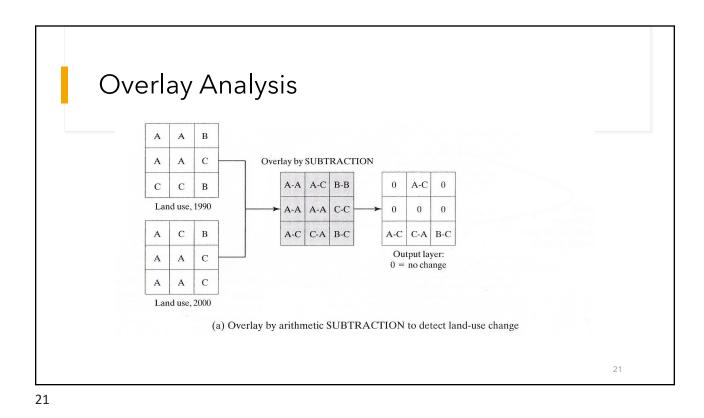


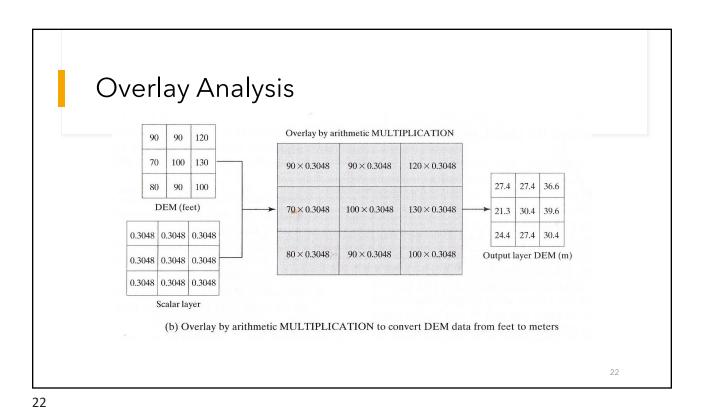


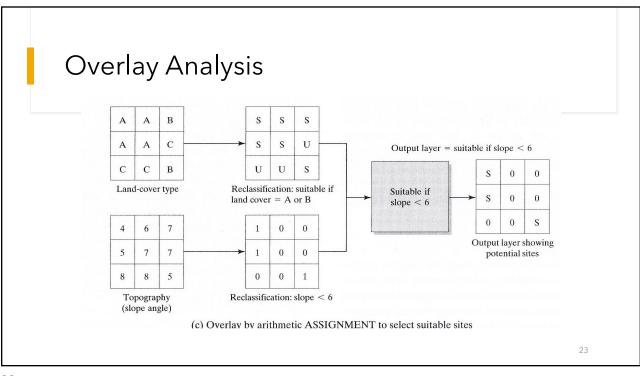




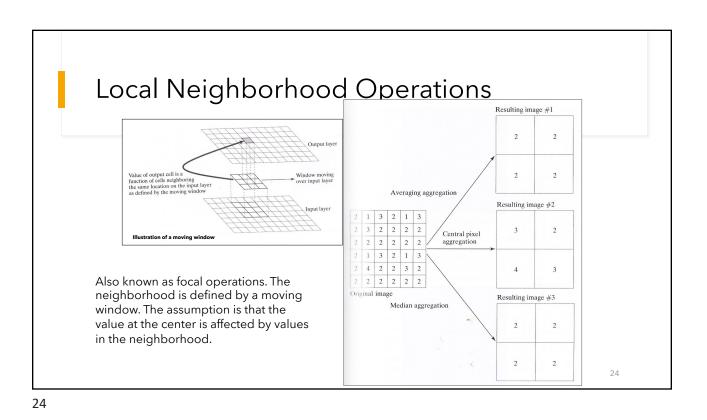


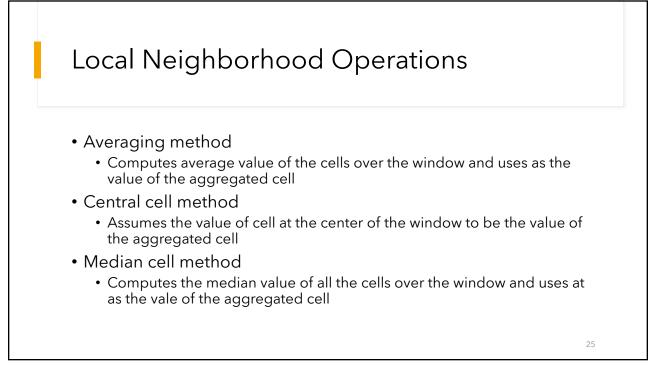


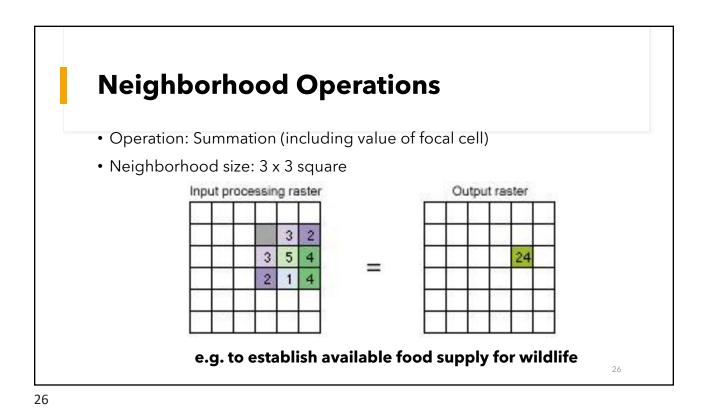


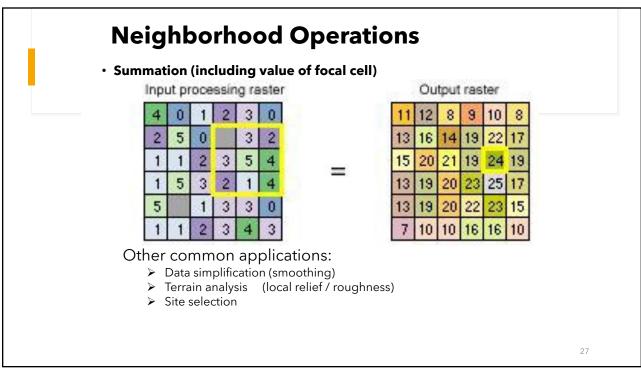












	Local Operations	Neighborhood Operations	Extended Neighborhood Operations	Regional Operations
Logical Operations	Reclassification		Operations	
rithmetic Operations	Reclassification	AggregationFiltering	Statistical analysis	
verlay perations	• Logical •Arithmetic			 Category-wide overlay
eometric roperty perations		Slope and aspects	• Distance, proximity, and connectivity	 Area Perimeter Shape
eometric ansformation perations			 Rotation Translation Scaling 	
Geometric Derivation Operations			 Buffering Viewshed analysis 	• Identification and reclassification

